



RECEIVED

AUG 20 2004

DIV. OF OIL, GAS &amp; MINING

August 19, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 1-13-9-16, 2-13-9-16, 5-13-9-16, 6-13-9-16, 7-13-9-16, 8-13-9-16, 9-13-9-16, 10-13-9-16, 11-13-9-16, 12-13-9-16, 13-13-9-16, 14-13-9-16, 15-13-9-16, and 16-13-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 8-13-9-16 and 13-13-9-16 are Exception Locations. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate Exception Location Letters. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures



001

RECEIVED

AUG 20 2004

DIV. OF OIL, GAS &amp; MINING

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-64805

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 14-13-9-16

9. API Well No.

43-013-32649

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SE/SW Sec. 13, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Inland Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface SE/SW 819' FSL 1940' FWL 579397X 40.02593

At proposed prod. zone 4430840Y -110.06953

14. Distance in miles and direction from nearest town or post office\*

Approximatley 20.2 miles south of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 819' f/lse, NA f/unit

16. No. of Acres in lease

560.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1,199'

19. Proposed Depth

6500'

20. BLM/BIA Bond No. on file

UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5581' GL

22. Approximate date work will start\*

1st Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

8/19/04

Title

Regulatory Specialist

Approved by (Signature)

Bradley G. Hill

Name (Printed/Typed)

BRADLEY G. HILL

Date

08-25-04

Title

ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct  
operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

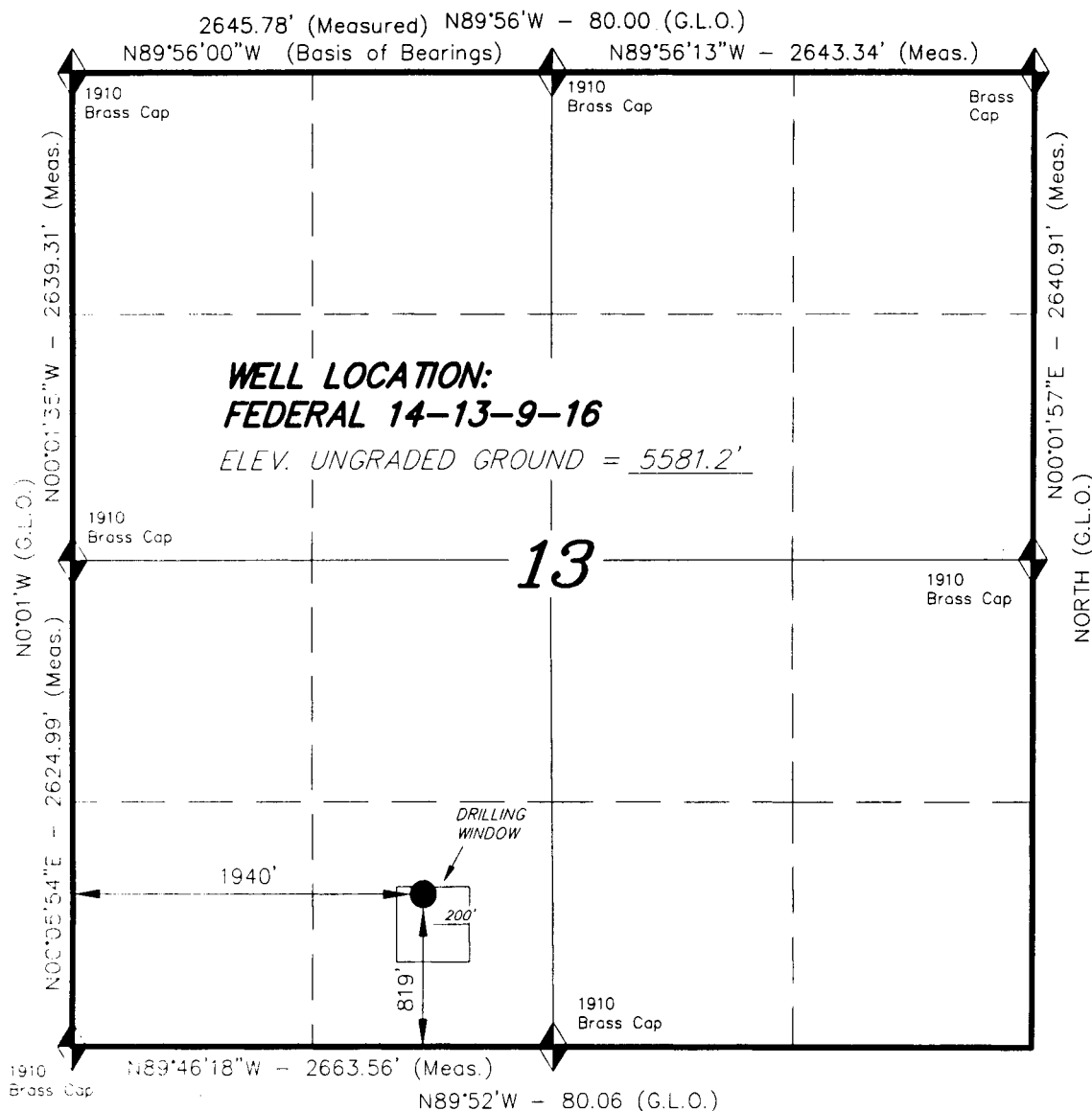
\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

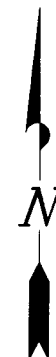


**T9S, R16E, S.L.B.&M.**

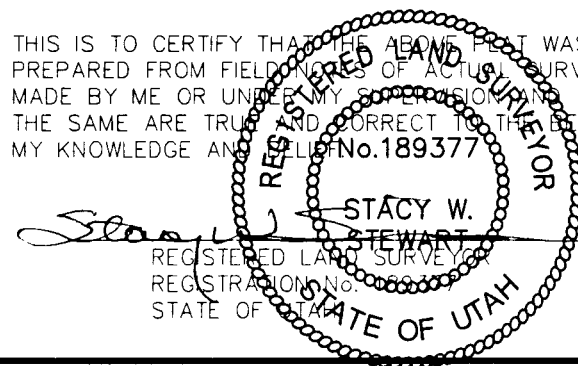
**INLAND PRODUCTION COMPANY**



WELL LOCATION, FEDERAL 14-13-9-16,  
 LOCATED AS SHOWN IN THE SE 1/4 SW  
 1/4 OF SECTION 13, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 7-20-04	DRAFTED BY: F.T.M.
NOTES:	FILE #

⚡ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)



INLAND PRODUCTION COMPANY  
FEDERAL #14-13-9-16  
SE/SW SECTION 13, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	5900'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



**INLAND PRODUCTION COMPANY  
FEDERAL #14-13-9-16  
SE/SW SECTION 13, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #14-13-9-16 located in the SE 1/4 SW 1/4 Section 13, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 14.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 4.0 miles  $\pm$  to it's junction with the beginning of the proposed access road to the northwest; proceed northwesterly along the proposed access road - 2,310'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.



9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-44, 5/5/03. Paleontological Resource Survey prepared by, Wade E. Miller, 4/7/04. See attached report cover pages, Exhibit "D".

For the Federal #14-13-9-16 Inland Production Company requests a 175' ROW be granted in Lease UTU-15855 and 2,135' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 175' ROW in Lease UTU-15855 and 2,135' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Inactive Nest:** Dixie Saddler to advise.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale

*Atriplex Confertifolia*

4 lbs/acre



Crested Wheat Grass		3 lbs/acre
Green Molly Summer Cyress	<i>Kochia American</i>	4 lbs/acre
Black Sage	<i>Artemisia Nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #14-13-9-16 was on-sited on 5/19/04. The following were present; Brad Mecham (Inland Production), David Gerbig (Inland Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 70 degrees.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham

Address: Route #3 Box 3630  
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #14-13-9-16 SE/SW Section 13, Township 9S, Range 16E: Lease UTU-64805 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/19/04  
Date

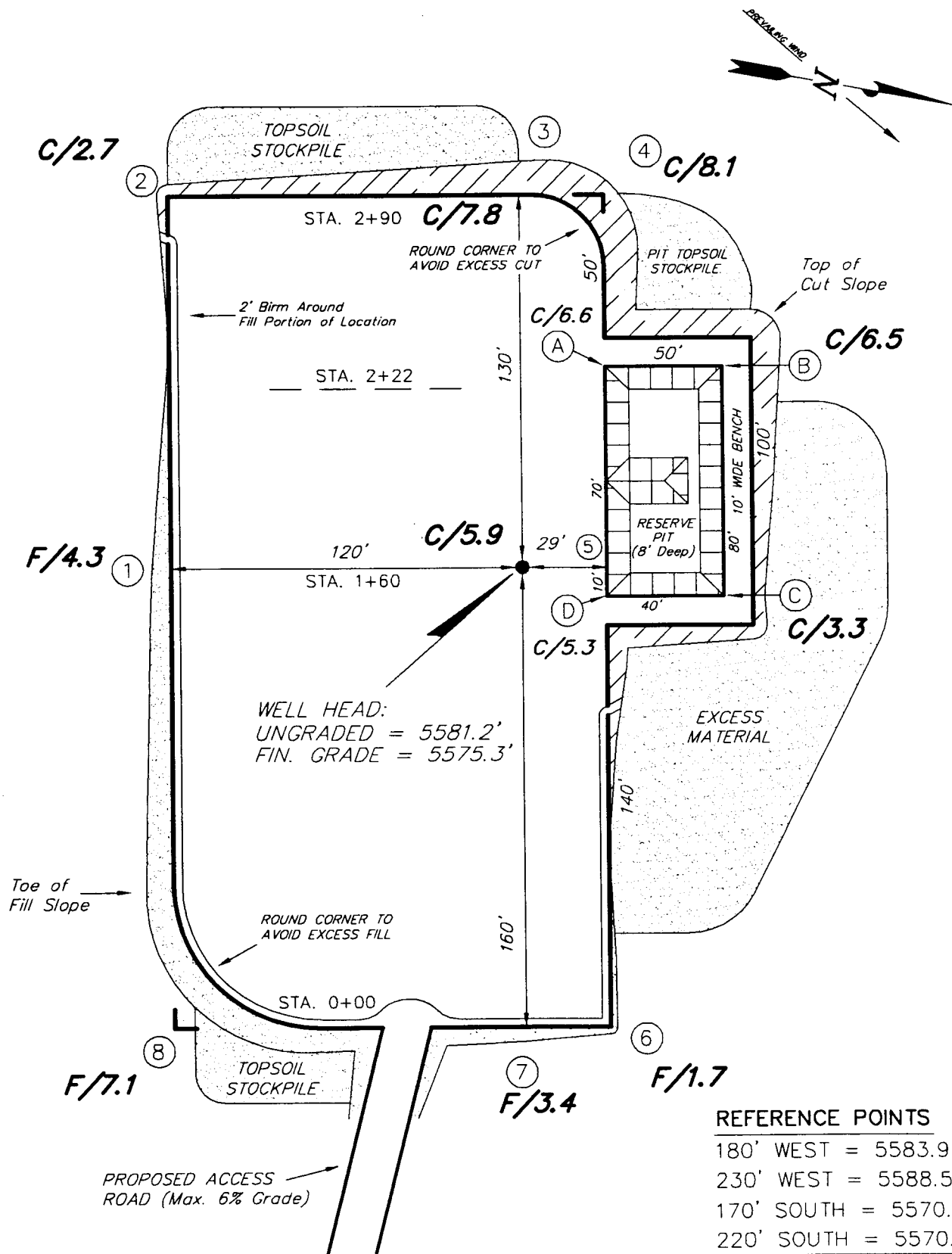
Mandie Crozier  
Mandie Crozier  
Regulatory Specialist



# INLAND PRODUCTION COMPANY

FEDERAL 14-13-9-16

Section 13, T9S, R16E. S.L.B.&M.



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 7-20-04

**Tri State**  
 Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

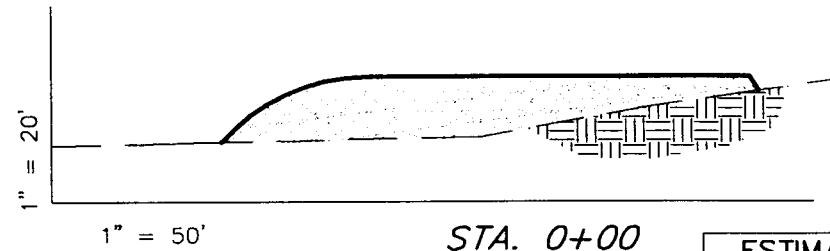
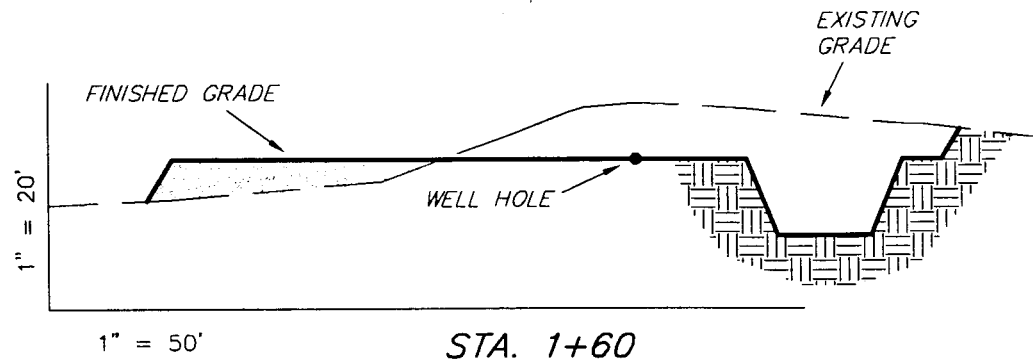
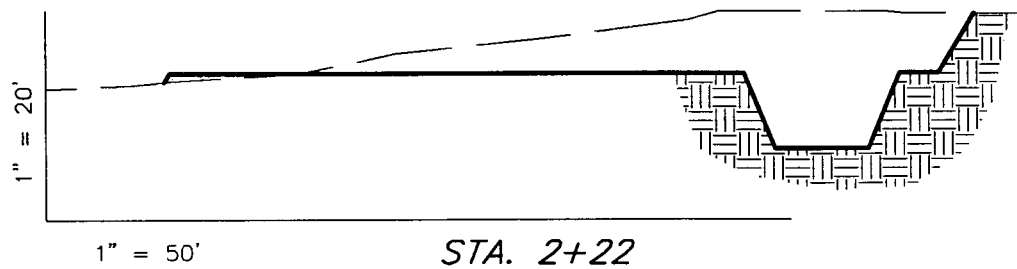
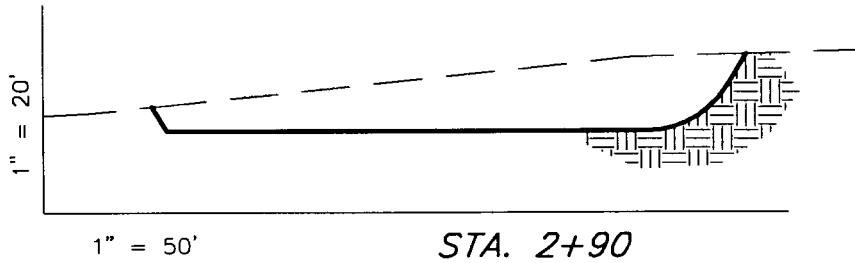
(435) 781-2501



# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 14-13-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,770	3,760	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	4,410	3,760	890	650

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 7-20-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

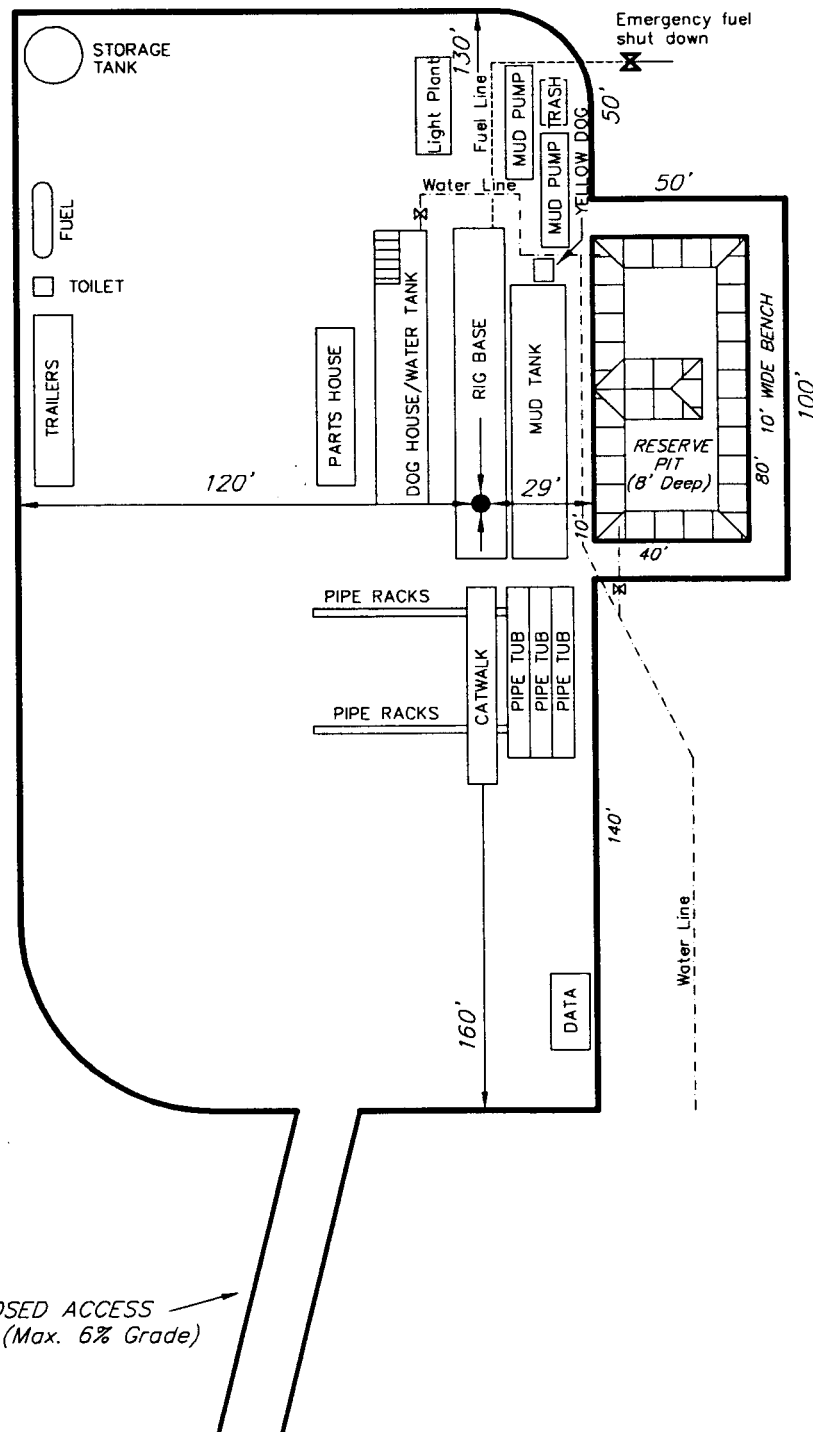
(435) 781-2501



# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 14-13-9-16



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

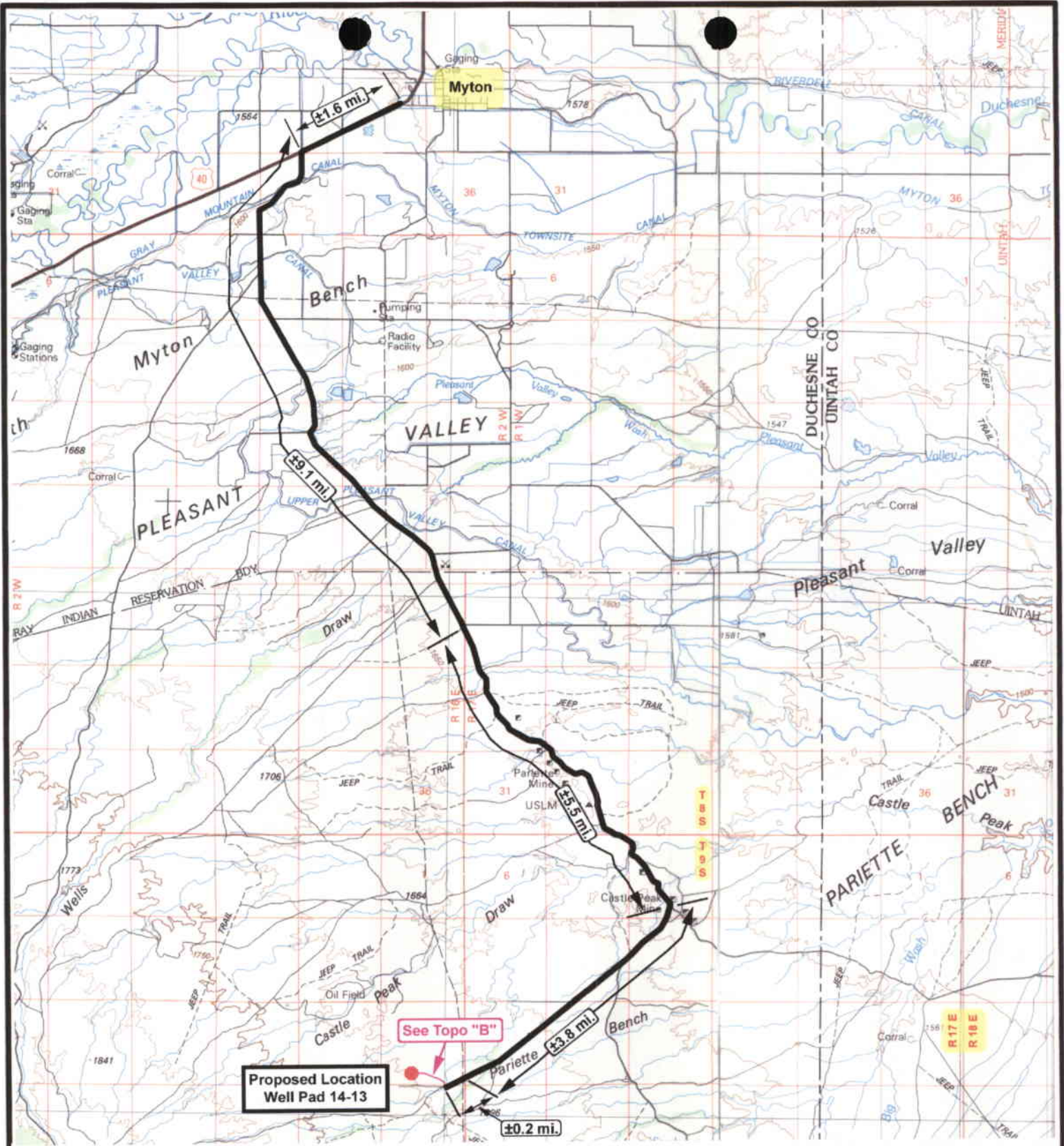
DRAWN BY: F.T.M.

DATE: 7-20-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501





**Federal 14-13-9-16  
SEC. 13, T9S, R16, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

**SCALE: 1 : 100,000  
DRAWN BY: bgm  
DATE: 07-21-2004**

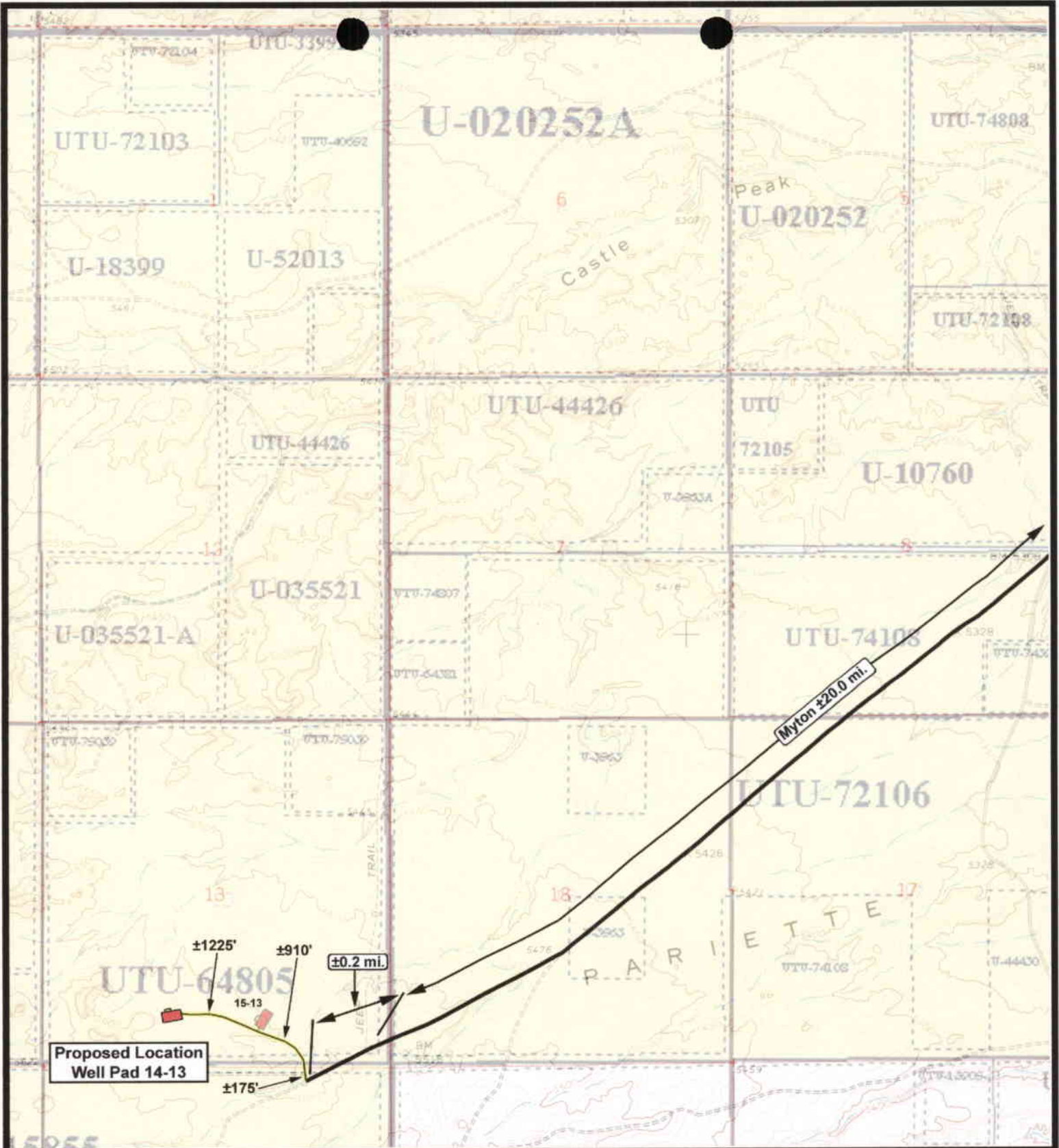
**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**





**Federal 14-13-9-16  
SEC. 13, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

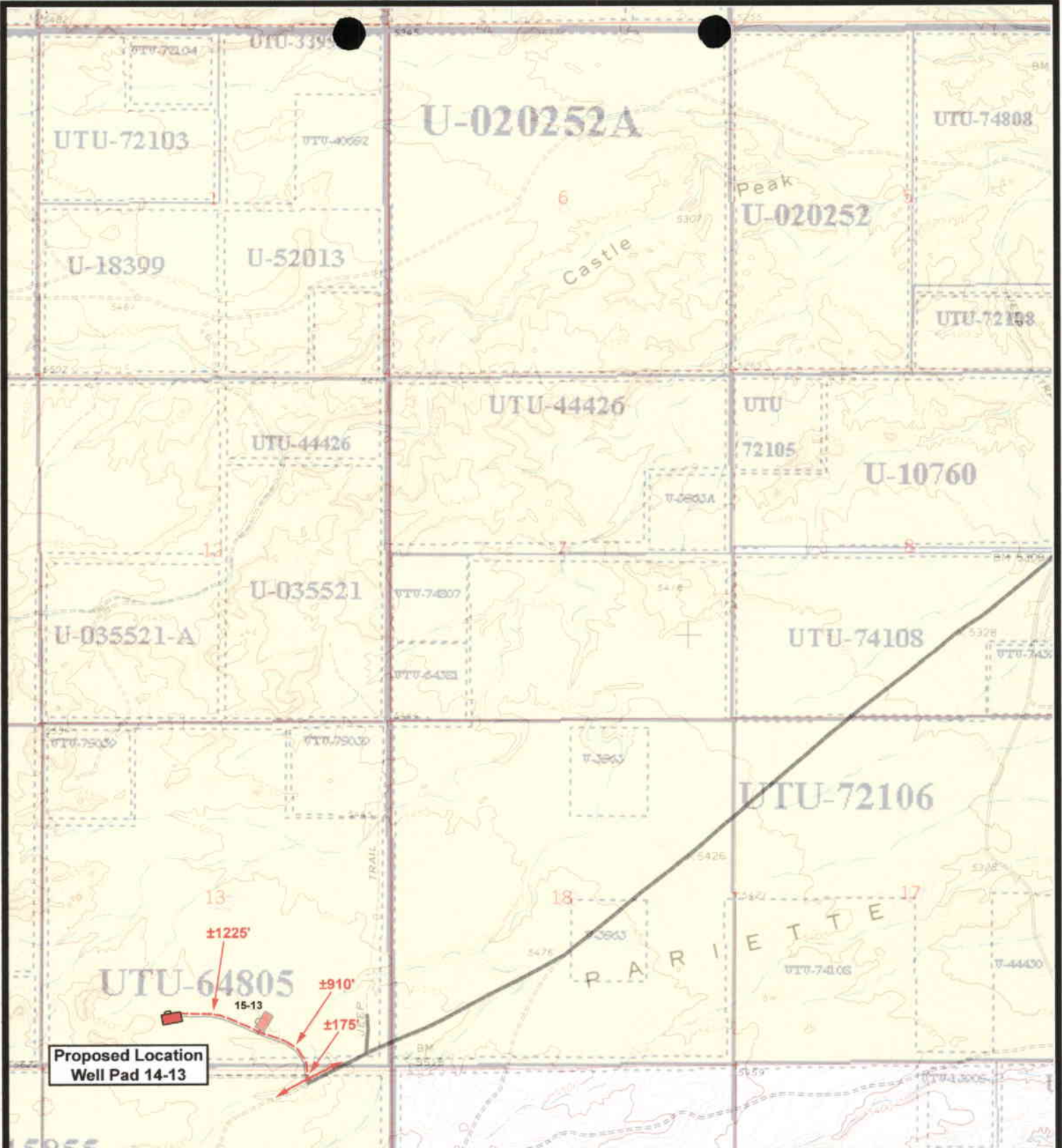
SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-03-2004

**Legend**  
— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP

**"B"**





**Federal 14-13-9-16  
SEC. 13, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-03-2004

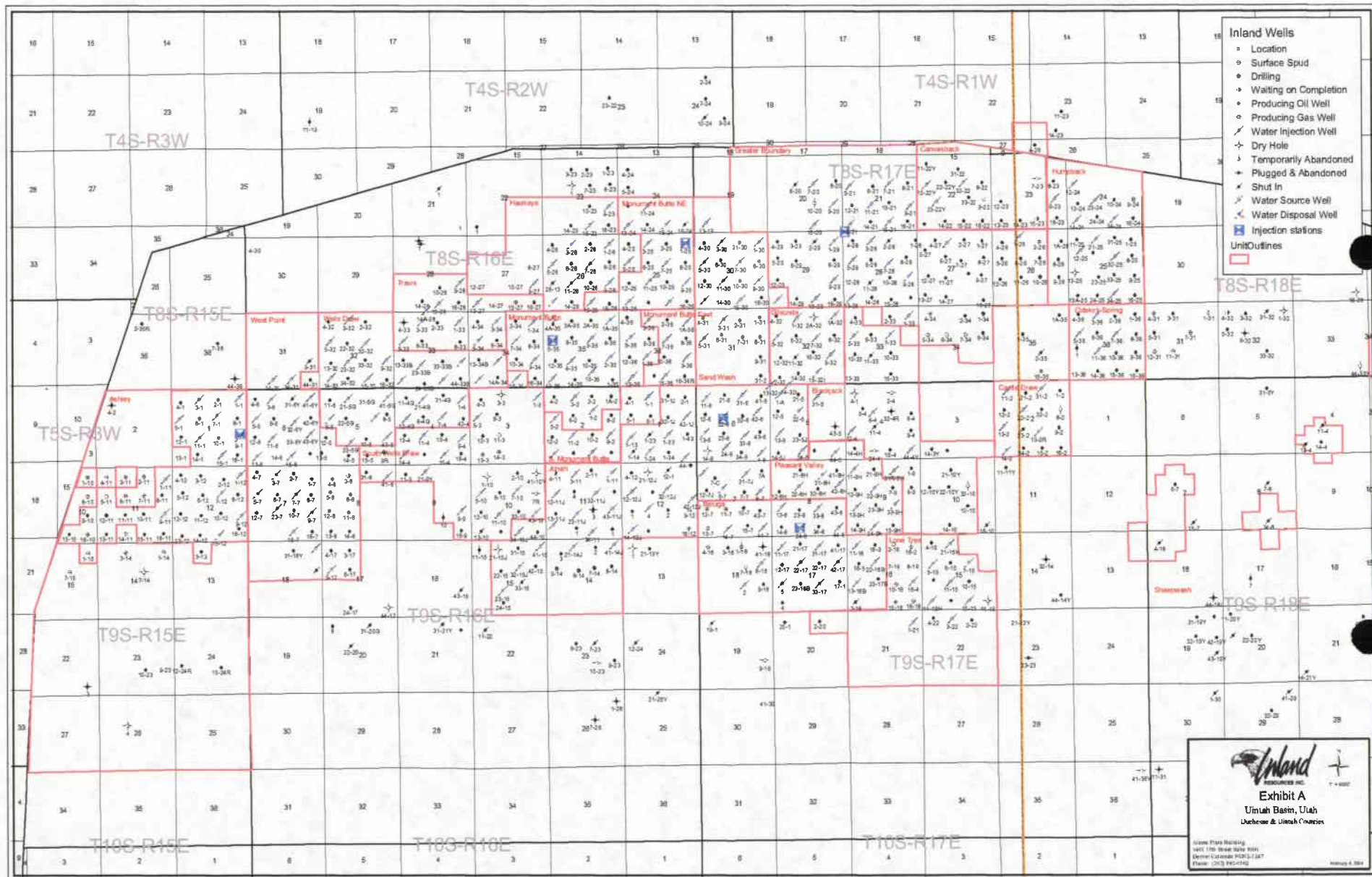
**Legend**

- Roads
- Existing Gas Line
- Proposed Gas Line

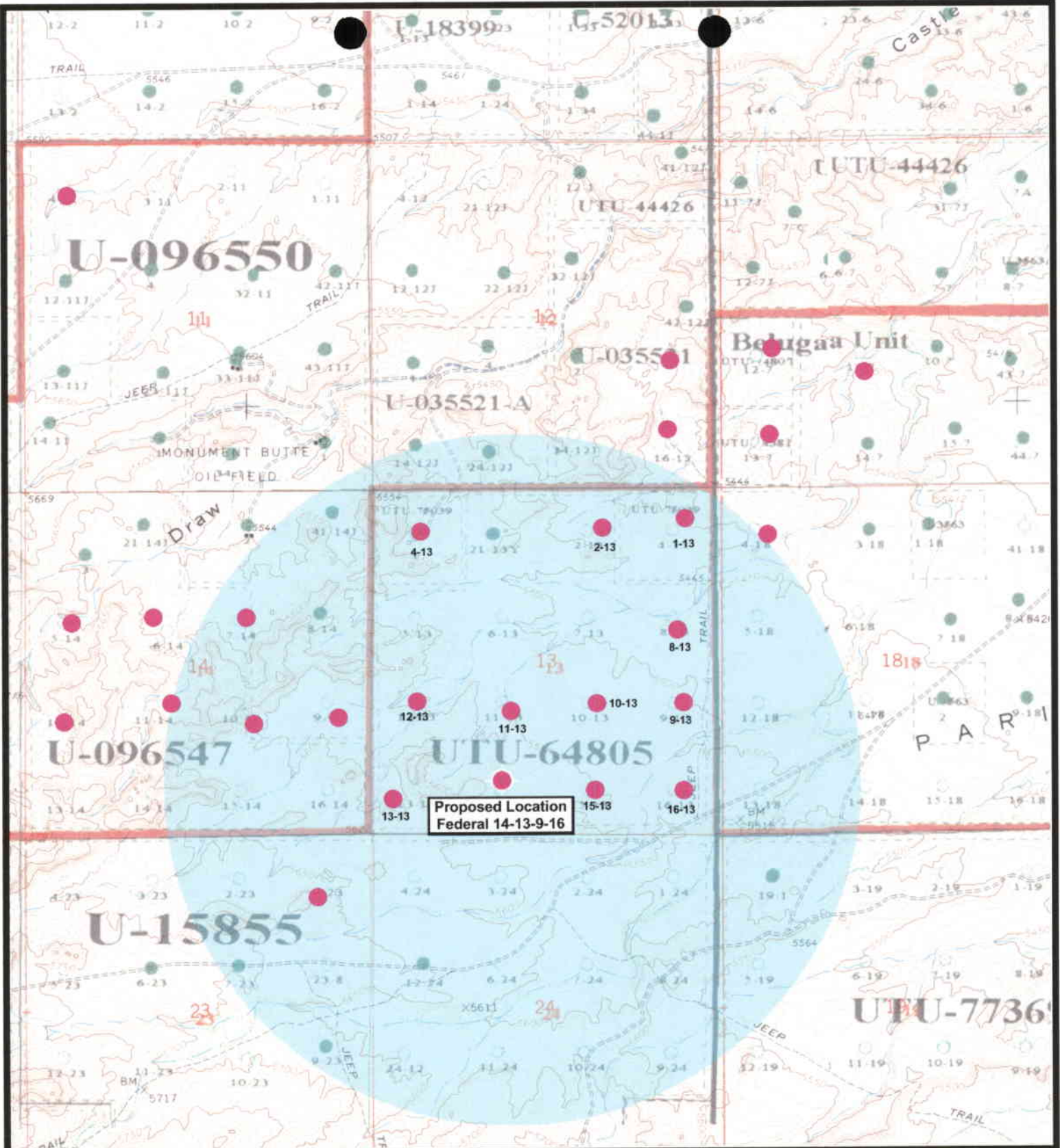
TOPOGRAPHIC MAP

**"C"**









**Federal 14-13-9-16  
SEC. 13, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: bgm  
DATE: 07-21-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**



## 2-M SYSTEM

Blowout Prevention Equipment Systems

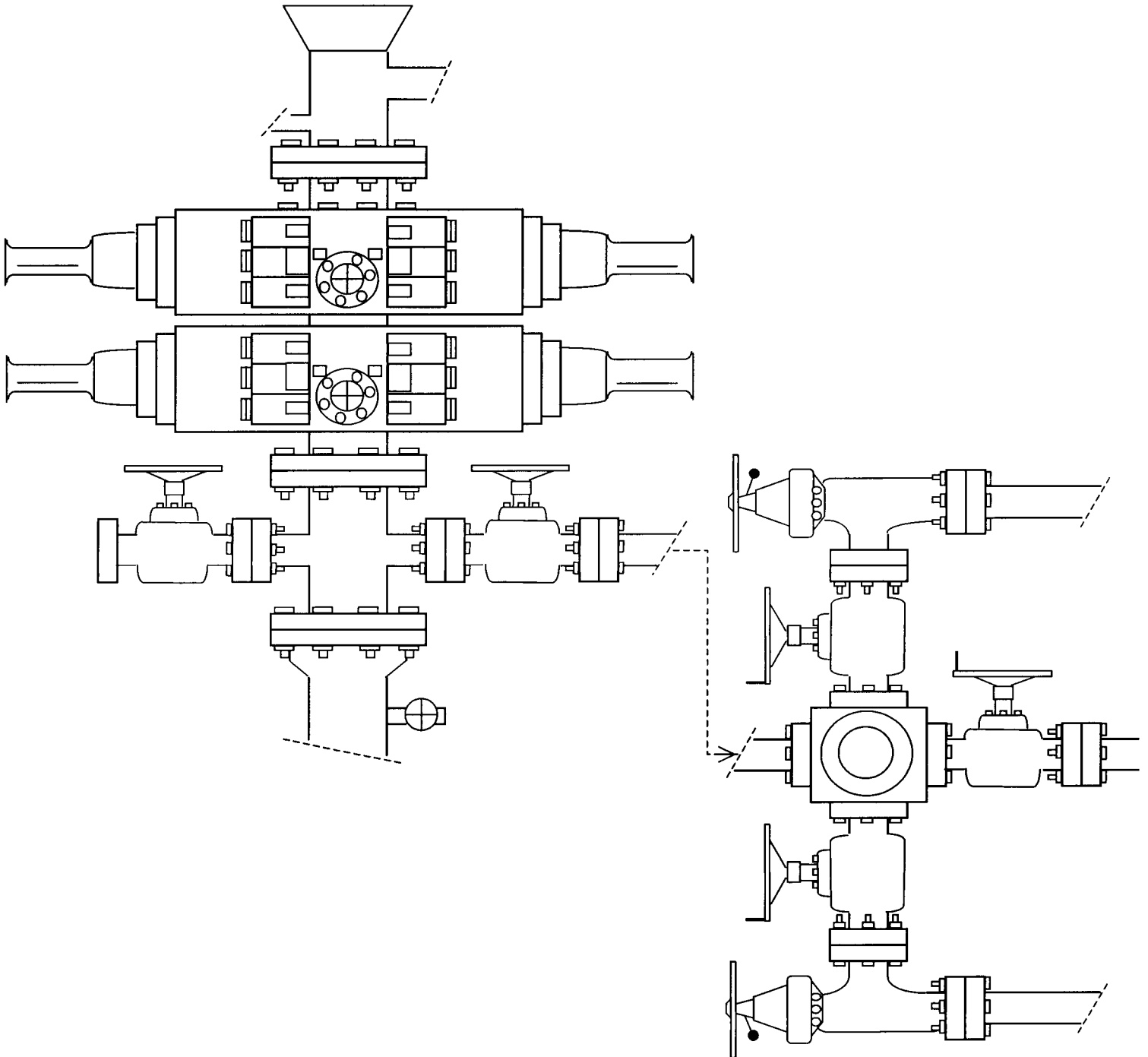


EXHIBIT C



CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)  
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

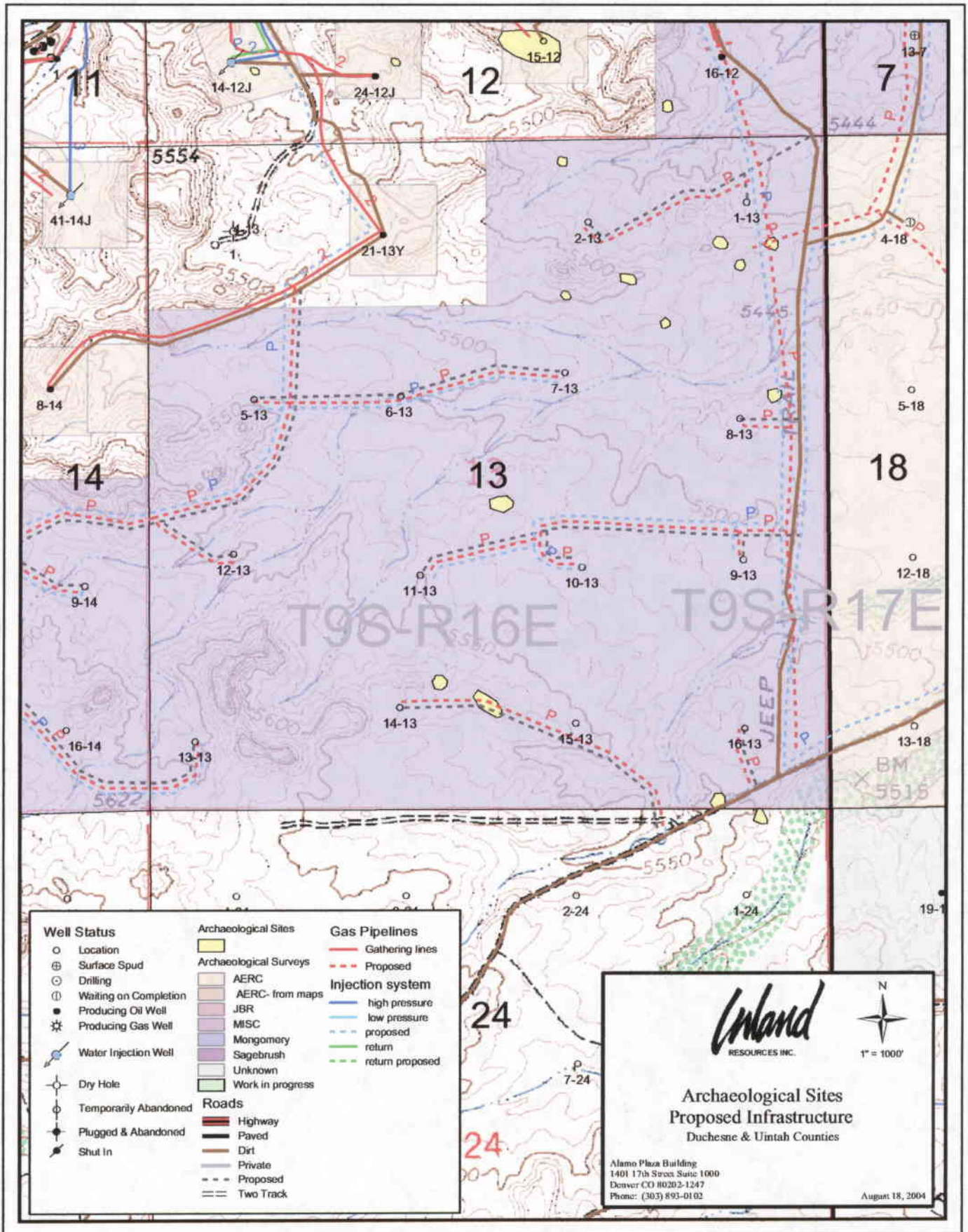
MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0328b







**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & UTAH COUNTIES, UTAH**

Section 13, T 9 S, R 16 E [excluding NW 1/4];  
Section 11, T 9 S, R 18 E [excluding NW/SW, 12-11];  
Section 27, T 9 S, R 15 E [excluding NE/SW, 11-27]

**REPORT OF SURVEY**

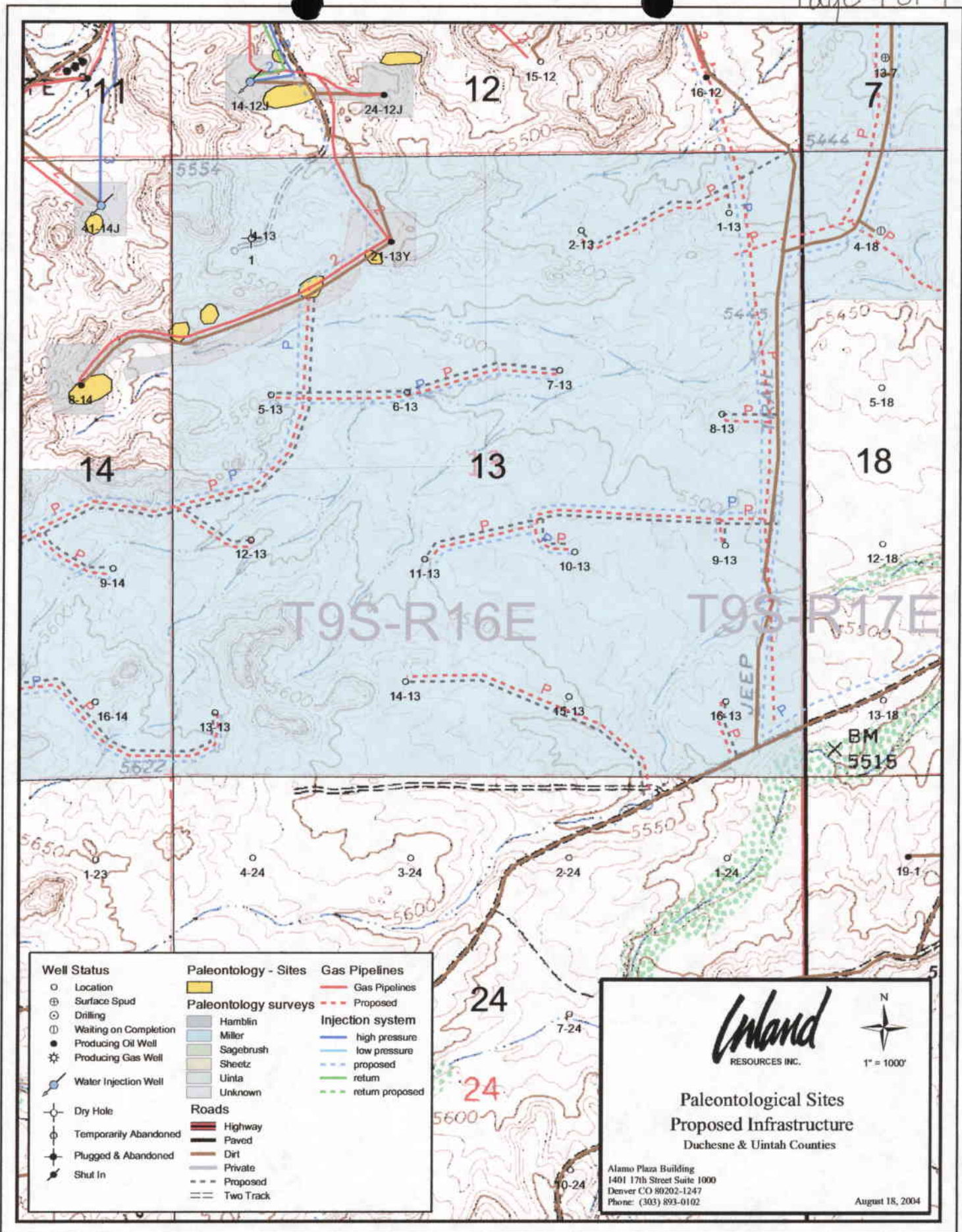
Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
April 7, 2004







004

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/20/2004

API NO. ASSIGNED: 43-013-32649

WELL NAME: FEDERAL 14-13-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

SESW 13 090S 160E

SURFACE: 0819 FSL 1940 FWL

BOTTOM: 0819 FSL 1940 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64805

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02593

LONGITUDE: 110.06953

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
     (No. UTU0056 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
     (No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
     (Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit \_\_\_\_\_

☒ R649-3-2. General  
     Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval*  
*2- Spacing Wp*









State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

August 25, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 14-13-9-16 Well, 819' FSL, 1940' FWL, SE SW, Sec. 13, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32649.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Inland Production Company  
Well Name & Number Federal 14-13-9-16  
API Number: 43-013-32649  
Lease: UTU-64805

Location: SE SW Sec. 13 T. 9 South R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		





## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State



ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer



## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

006

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 15-34-8-17	34	080S	170E	4301332628		Federal	OW	APD	K
FEDERAL 14-34-8-17	34	080S	170E	4301332629		Federal	OW	APD	K
FEDERAL 13-34-8-17	34	080S	170E	4301332630		Federal	OW	APD	K
FEDERAL 12-34-8-17	34	080S	170E	4301332631		Federal	OW	APD	K
FEDERAL 16-13-9-16	13	090S	160E	4301332647		Federal	OW	APD	K
FEDERAL 15-13-9-16	13	090S	160E	4301332648		Federal	OW	APD	K
FEDERAL 14-13-9-16	13	090S	160E	4301332649		Federal	OW	APD	K
FEDERAL 13-13-9-16	13	090S	160E	4301332650		Federal	OW	NEW	K
FEDERAL 12-13-9-16	13	090S	160E	4301332651		Federal	OW	APD	K
FEDERAL 11-13-9-16	13	090S	160E	4301332652		Federal	OW	APD	K
FEDERAL 10-13-9-16	13	090S	160E	4301332653		Federal	OW	APD	K
FEDERAL 9-13-9-16	13	090S	160E	4301332654		Federal	OW	APD	K
FEDERAL 8-13-9-16	13	090S	160E	4301332655		Federal	OW	APD	K
FEDERAL 7-13-9-16	13	090S	160E	4301332656		Federal	OW	APD	K
FEDERAL 11-20-9-16	20	090S	160E	4301332598		Federal	OW	APD	K
FEDERAL 1-22-9-16	22	090S	160E	4301332612		Federal	OW	NEW	K
FEDERAL 9-10-9-17	10	090S	170E	4301332502	14325	Federal	OW	DRL	K
FEDERAL 13-11-9-17	11	090S	170E	4301332510	14273	Federal	OW	P	K
FEDERAL 12-11-9-17	11	090S	170E	4301332544		Federal	OW	APD	K
FEDERAL 1-15-9-17	15	090S	170E	4301332596		Federal	OW	APD	K

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**



## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 14-13-9-16

Api No: 43-013-32649 Lease Type: FEDERAL

Section 13 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # 1

### **SPUDDED:**

Date 08/16/05

Time 8:00 AM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 08/16/2005 Signed CHD



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-64805**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 14-13-9-16**

9. API Well No.

**43-013-32649**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**819 FSL 1940 FWL**

**SE/SW Section 13, T9S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

**Permit Extension**

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 8/25/04 (expiration 8/25/05).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date:

By:

08-25-05  
*[Signature]*

8-30-05  
CHD

14. I hereby certify that the foregoing is true and correct

Signed

*[Signature]*  
Mandie Crozier

Title

Regulatory Specialist

Date

8/19/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

AUG 22 2005

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

U.S. DEPT. OF OIL, GAS & MINING



RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32649  
**Well Name:** Federal 14-13-9-16  
**Location:** SE/SW Section 13, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 8/25/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

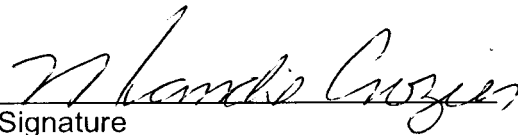
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

8/19/2005

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

AUG 22 2005

OFFICE OF OIL, GAS & MINING



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2696

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	14892	43-013-32649	Federal 14-13-9-16	SE/SW	13	9S	16E	Duchesne	8/16/2005	8/25/05

WELL 1 COMMENTS:

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	43-047-35707	Federal 3-14-9-17	NE/NW	14	9S	17E	Uintah	8/19/2005	8/25/05

WELL 2 COMMENTS:

GRRV

Sundance Unit

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	43-047-36072	Federal 2-14-9-17	NW/NE	14	9S	17E	Uintah	8/23/2005	8/25/05

WELL 3 COMMENTS:

GRRV

Sundance Unit

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	43-047-35564	Federal 13-17-9-18	SWSW	17	9S	18E	Uintah	8/23/2005	8/25/05

WELL 4 COMMENTS:

GRRV

Sundance Unit

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

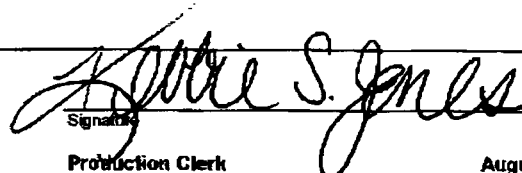
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

AUG 23 2005

UTAH DIVISION OF OIL, GAS AND MINING

  
Signature: Rebekah S. Jones  
Production Clerk  
Date: August 23, 2005



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

819 FSL 1940 FWL

SE/SW Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 14-13-9-16

9. API Well No.

4301332649

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/16/05 MIRU NDSI NS#1 Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313' KB On 8/17/05 cement with 160 sks of class "G" w/ 2% CaCL<sub>2</sub> + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Don Bastian

Title

Drilling Foreman

Signature

*Don Bastian*

Date

08/17/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED  
AUG  
SEP 25 2005

DIV. OF OIL, GAS & MINING



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 313.11

LAST CASING 8 5/8" SET / 313.11'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 14-13-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS#1


## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 40.92'					40.92
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.26
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			
TOTAL LENGTH OF STRING		303.11	7	LESS CUT OFF PIECE			
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			
TOTAL		301.26	7				
TOTAL CSG. DEL. (W/O THRDS)		301.26	7	} COMPARE			
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud 8/16/2005	8:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		8/16/2005	2:30PM	Bbls CMT CIRC TO SURFACE <u>5</u>			
BEGIN CIRC		8/17/2005	12:08PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		8/17/2005	12:21PM				
BEGIN DSPL. CMT		8/17/2005	12:32PM	BUMPED PLUG TO <u>320</u> PSI			
PLUG DOWN		8/17/2005	12:41PM				

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Don Bastian

DATE 8/17/2005

RECEIVED  
  
 SEP 25 2005

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

819 FSL 1940 FWL

SE/SW Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 14-13-9-16

9. API Well No.

4301332649

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9-2-2005 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5675'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 127 jt's of 5.5 J-55, 15.5# csgn. Set @ 5653.49' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 0 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 98,000 #'s tension. Release rig 7:00 am on 9-9-2005.

RECEIVED

SEP 12 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Troy Zufelt

Title

Drilling Foreman

Signature

Date

09/09/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5653.49

Flt cllr @ 5611.74

LAST CASING 8 5/8" SET AT 313'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL FEDERAL 14-13-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # Union Rig # 14

TD DRILLER 5675 TD loggers 5640'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					
		6.12' short jt @ 3661.10'					
126	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5611.74
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	45.1
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5658.09
TOTAL LENGTH OF STRING	5658.09	127	LESS CUT OFF PIECE	16.6
LESS NON CSG. ITEMS	1.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	360.68	8	CASING SET DEPTH	<b>5653.49</b>

TOTAL	6017.52	135	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	6017.52	135		
TIMING	1ST STAGE	2nd STAGE		
BEGIN RUN CSG.	9/8/2005	6:00 PM	GOOD CIRC THRU JOB	YES
CSG. IN HOLE	9/8/2005	9:30 PM	Bbls CMT CIRC TO SURFACE	0
BEGIN CIRC	9/8/2005	11:30 PM	RECIPROCATED PIPE FOR	THRUSTROKE
BEGIN PUMP CMT	9/9/2005	1:07 AM	DID BACK PRES. VALVE HOLD ?	YES
BEGIN DSPL. CMT	9/9/2005	2:11	BUMPED PLUG TO	2166 PSI
PLUG DOWN	9/9/2005	2:40 AM		

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Troy Zufelt

DATE 9/7/2005

**RECEIVED**

**SEP 12 2005**

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
819 FSL 1940 FWL  
SE/SW Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 14-13-9-16

9. API Well No.

4301332649

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 10/03/05 - 10/07/05

Subject well had completion procedures initiated in the Green River formation on 10-03-05 without the use of a service rig over the well. A cement bond log was run and a total of one Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (4921'- 5932'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 10-03-2005. Bridge plugs were drilled out and well was cleaned to 5468.00'. Zones were swab tested for sand cleanup. A 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 10-07-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

Title

Production Clerk

Date

10/28/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

NOV 01 2005

DIV. OF OIL, GAS & MINING



(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 819' FSL & 1940' FWL (SE/SW) Sec. 13, Twp 9S, Rng 16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32649 DATE ISSUED 8/25/04

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 8/16/05 16. DATE T.D. REACHED 9/8/05 17. DATE COMPL. (Ready to prod.) 10/7/05 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5581' GL 5593' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5675' 21. PLUG BACK T.D., MD & TVD 5568' 22. IF MULTIPLE COMPL. HOW MANY\* -----> 23. INTERVALS DRILLED BY X 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Green River 3937'-4932' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	313'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5667'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 4984'	TA @ 4883'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A1) 4921'-4932'	.43"	4/44	4921'-4932'	Frac w/ 38,723# 20/40 sand in 208 bbls fluid
(D2) 4582'-4595'	.43"	4/52	4582'-4595'	Frac w/ 75,389# 20/40 sand in 595 bbls fluid
(PB8) 4154'-4162'	.43"	4/32	4154'-4162'	Frac w/ 29,831# 20/40 sand in 340 bbls fluid
(GB4) 3937'-3950', 3997'-4005'	.43"	4/84	3937'-4005'	Frac w/ 60,097# 20/40 sand in 447 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
10/7/05		2-1/2" x 1-1/2" x 16' RHAC SM Plunger Pump					PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.		GAS-OIL RATIO
30 day ave			----->	85	22	62		259
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF		WATER--BBL.		OIL GRAVITY-API (CORR.)
		----->						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

RECEIVED

35. LIST OF ATTACHMENTS

NOV 09 2005

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Mandie Crozier

TITLE

Regulatory Specialist

DIV. OF OIL, GAS & MINING

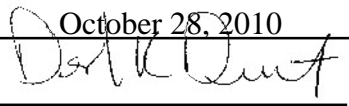
KJR

(See Instructions and Spaces for Additional Data on Reverse Side)



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 14-13-9-16	Garden Gulch Mkr	3474'	
				Garden Gulch 1	3683'	
				Garden Gulch 2	3793'	
				Point 3 Mkr	4059'	
				X Mkr	4310'	
				Y-Mkr	4344'	
				Douglas Creek Mkr	4467'	
				BiCarbonate Mkr	4703'	
				B Limestone Mkr	4811'	
				Castle Peak	5300'	
				Basal Carbonate	----	
				Total Depth (LOGGERS)	5640'	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FEDERAL 14-13-9-16			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0819 FSL 1940 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326490000			
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE			
<b>STATE:</b> UTAH					
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/1/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield Production Company requests the approval to open additional pay in the CP1, CP2, CP3 and A3 sands in the subject well. The two stage OAP will target the following intervals [5509-5512] in the CP3 sand, [5411-5417] in the CP2 sand, [5379-5381] in the CP 1 sand and [5005-5012], [4990-4992] in the A3 sand. Attached is the detailed procedure and well bore diagram, please contact Paul Weddle at 303-383-4117 with any questions.					
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>		<b>Date:</b> <u>October 28, 2010</u> <b>By:</b> <u></u>			
<b>NAME (PLEASE PRINT)</b> Sam Styles		<b>PHONE NUMBER</b> 303 893-0102			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Engineering Tech			
<b>DATE</b> 10/27/2010					



**Newfield Production Company****Federal 14-13-9-16****Procedure for:** OAP CP1,2,3 & A3. Tubing fracs**Well Status:** See attached Wellbore Diagram**AFE #** [REDACTED]

**Engineer:** Paul Weddle [pweddle@newfield.com](mailto:pweddle@newfield.com)  
mobile 720-233-1280  
office 303-383-4117

**PROCEDURE**

- 1 Blow down tbg. MIRU SU. Seat pump and pressure test tubing to 3,000 psi. POH, LD, and visually inspect rods and pump. ND wellhead. Strip-on and NU BOP. GIH and tag fill. Clean out to PBTD as necessary: PBTD might be above Targetted CP sands, consult engineering to determine path forward, but plan on bailing if unable to clean out with notched collar. TOOHH visually inspecting 2-7/8" production tbg. Report any scale on production string (interval, depth, type) on morning report and verbally to Engineer
- 2 RU wireline unit. Make 4-3/4" gauge ring run to +/- **5507'**  
Only Run B&S if required. RIH and perforate the following interval w/ 3SPF 120deg phasing:

<b>CP3</b>	<b>5509-5512</b>	3spf	120deg phasing
<b>CP2</b>	<b>5411-5417</b>	3spf	120deg phasing
<b>CP1</b>	<b>5379-5381</b>	3spf	120deg phasing
<b>A3</b>	<b>5005-5012</b>	3spf	120deg phasing
<b>A3</b>	<b>4990-4992</b>	3spf	120deg phasing
- 3 PU tandem RBP/PKR and TIH on 2-7/8" N80 8RD EUE workstring. Breakdown all new perforations with 5-10 bbls fresh water while TIH (skip to next step if only 1 treatment zone)  
Set RBP @ +/- **5,525** and test to 4,000psi. PUH with packer to +/- **5,330**
- 4 RU frac equip. Frac the **CP3,2,1** down tubing w/**15,000**# 20/40sand at 15 BPM with max sand concentration of 6ppg per BJ recommendation.
- 5 Flowback well immediately @ 3-4 BPM until dead.
- 6 Release Packer and RBP. RUH and:  
Set RBP @ +/- **5,060** and test to 4,000psi. PUH with packer to +/- **4,950**
- 7 RU frac equip. Frac the **A3** down tubing w/**25,000**# 20/40sand at 15 BPM with max sand concentration of 6ppg per BJ recommendation.
- 8 Flowback well immediately @ 3-4 BPM until dead.
- 9 Release Packer and RBP. POOH laying down workstring, packer, and RBP.
- 9 Run tubing as pulled. RU swab equipment and swab well until returns are clean of sand. GIH tag fill and clean out as necessary.
- 10 Run PBGA: Place SN @  $\pm 5425$  and set TAC at  $\pm 5393'$  with 15,000 lbs overpull. ND BOP's. NU wellhead.
- 11 PU and RIH with a 2-1/2" x 1-3/4" x 20' RHAC pump, 6 x 1-1/2" weight rods, 10 x 3/4" guided rods, 80 x 3/4" slick rods, 121 x 7/8" guided rods, Space out with pony rods as necessary.
- 12 PWOP and track results for one month.

**RECEIVED** October 27, 2010



# Federal 14-13-9-16

Spud Date: 8-16-05  
Put on Production: 10-21-05  
GL: 5581' KB: 5592'

Initial Production: BOPD,  
MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.26')  
DEPTH LANDED: 313.11' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 127 jts. (5656.84')  
DEPTH LANDED: 5667.49' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT:'

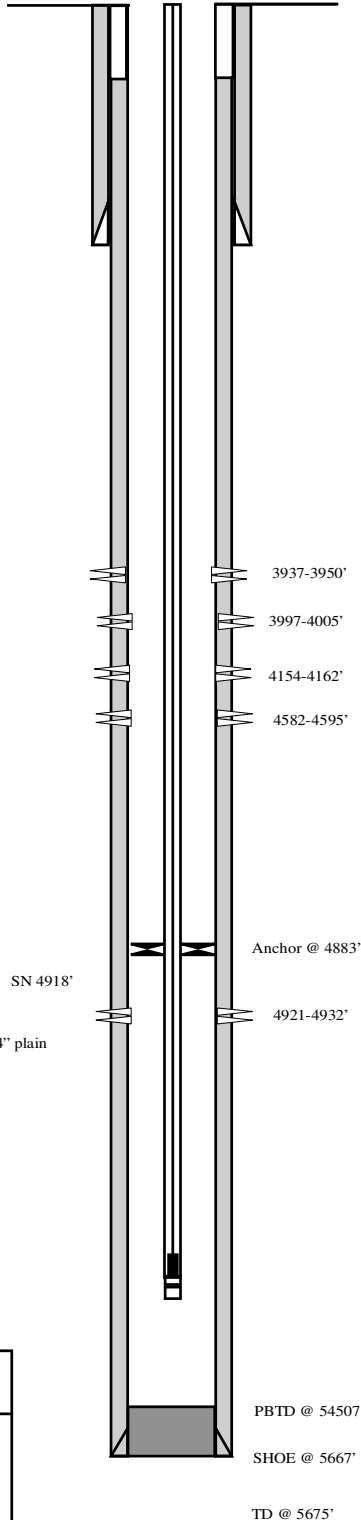
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 151 jts (4870.74')  
TUBING ANCHOR: 4882.74' KB  
NO. OF JOINTS: 1 jts (32.50')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4918.04' KB  
NO. OF JOINTS: 2 jts (64.17')  
TOTAL STRING LENGTH: EOT @ 4983.76' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS , 1-4' x 3/4" pony sub, 100-3/4" scraped rods, 80-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM

## Wellbore Diagram



## FRAC JOB

10-06-05 4921-4932' **Frac A1 sands as follows:**  
38723# 20/40 sand in 208 bbls Lightning 17 frac fluid. Treated @ avg press of 3220 psi w/avg rate of 14.2 BPM. ISIP 2060 psi. Actual flush: 1176 gal.

10-19-05 4582-4595' **Frac D2 sands as follows:**  
75389# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Actual flush: 4376 gal.

10-19-05 4154-4162' **Frac PB8 sands as follows:**  
29831# 20/40 sand in 340 bbls Lightning 17 frac fluid. Treated @ avg press of 2398 psi w/avg rate of 14.3 BPM. ISIP 2925 psi. Actual flush: 3898 gal.

10-19-05 3937-4005' **Frac GB4 sands as follows:**  
60097# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 1420 psi w/avg rate of 14.4 BPM. ISIP 1590 psi. Actual flush: 3864 gal.

## PERFORATION RECORD

Date	Depth Range	Tool	Holes
10-04-05	4921-4932'	4 JSPF	44 holes
10-19-05	4582-4895'	4 JSPF	52 holes
10-19-05	4154-4162'	4 JSPF	32 holes
10-19-05	3937-3950'	4 JSPF	52 holes
10-19-05	3997-4005'	4 JSPF	32 holes

**NEWFIELD**

**Federal 14-13-9-16**

819' FSL & 1940' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32649; Lease #UTU-64805

KC 1-17-06

**RECEIVED** October 27, 2010



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 819 FSL 1940 FWL		8. WELL NAME and NUMBER: FEDERAL 14-13-9-16
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW, 13, T9S, R16E		9. API NUMBER: 4301332649
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/11/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -	
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was recompleted on 11/11/2010 and then placed back on production. The following perforations were added in the Green River Formation:

CP3 5509-5512' 3 JSPF 9 holes  
CP2 5411-5417' 3 JSPF 18 holes  
CP1 5379-5381' 3 JSPF 6 holes  
A3 5005-5012' 3 JSPF 21 holes  
A3 4990-4992' 3 JSPF 6 holes

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 11/17/2010

(This space for State use only)

RECEIVED

NOV 23 2010

DIV OF OIL, GAS & MINING



**Daily Activity Report****Format For Sundry****FEDERAL 14-13-9-16****9/1/2010 To 1/30/2011****11/6/2010 Day: 1****Recompletion**

Nabors #814 on 11/6/2010 - POOH w/ rods. NU BOP. POOH w/ tbg. RIH w/ bit, scraper & 60 jts 2 7/8" tbg. - MIRU Nabors #814. RU hotoiler to csg. Pump 60 bbls 250° water down csg. Attempt to unseat pump. Pump 60 bbls 250° water down csg. Unseat pump. Flush rods w/ 30 bbls 250° water. Soft seat pump. Fill tbg. w/ 10 bbls water. Pressure test tbg. to 3000 psi. POOH w/ rod string. LD pump. ND wellhead. Release TAC. NU BOP. POOH w/ tbg. tallying. RIH w/ 4 3/4" rock bit, scraper & 60 jts. 2 7/8" tbg. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$11,238**

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**11/9/2010 Day: 2****Recompletion**

Nabors #814 on 11/9/2010 - RIH w/ tbg. Tag fill @ 5376'. C/O to 5605'. Circulate well clean. POOH w/ tbg. to 4985'. SWIFN. - Cont. RIH w/ tbg. Tag fill @ 5376'. RU powerswivel. C/O to 5605'. Circulate well clean. RD powerswivel. RU VES. Run Gyro. RD VES. POOH w/ tbg. to 4985'. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$17,224**

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**11/10/2010 Day: 3****Recompletion**

Nabors #814 on 11/10/2010 - POOH w/ tbg. Perfs well. RIH w/ tools. Break down new perfs. SWIFN. - Cont. POOH w/ tbg. LD bit & scraper. RU The Perforators wireline. Perf well as shown in perforation report. RD wireline. RIH w/ TS plug & HD pkr. & frac string. Break down new perfs. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$28,582**

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**11/11/2010 Day: 4****Recompletion**

Nabors #814 on 11/11/2010 - Frac 2 stages. Swab well. - RU BJ Services. Frac 2 stages as shown in stimulation report. RD BJ Services. Swab both stages. SFL @ surface. Made 14 runs. Recovered 120 bbls. No show of oil. No show of sand. RD swab. Release tools. Start laying down N-80 frac string. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$66,738**

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**11/12/2010 Day: 5****Recompletion**

Nabors #814 on 11/12/2010 - LD workstring. RIH w/ tbg. ND BOP. RIH w/ rods. Seat pump. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 5:00 p.m. 5 spm, 86" stroke length. Final Report. 606 BWTR. - - Cont. LD frac string. LD tools. RIH w/ 2 7/8" bullplug, 3 jts 2 7/8" tbg., 2 7/8" nipple, PBGA, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 167 jts 2 7/8" tbg. ND BOP. Set TAC w/ 18,000# tension. NU wellhead. Flush tbg. w/ 60 bbls water. X-over for rods. RIH w/ CDI 2 1/2" x 1 3/4" x 20' RHAC rod pump, 6- 1 1/2"



weight bars, 10- 3/4" guided rods, 80- 3/4" slick rods, 113- 3/4" guided rods, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 5:00 p.m. 5 spm, 86" stroke length. Final Report. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$86,138


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**Pertinent Files: [Go to File List](#)**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 14-13-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0819 FSL 1940 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326490000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/9/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The above reference well was put on injection at 10:15 AM on 06/09/2014.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> June 11, 2014		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/9/2014	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 14-13-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0819 FSL 1940 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326490000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/20/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The subject well has been converted from a producing oil well to an injection well on 05/16/2014. On 05/19/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/20/2014 the casing was pressured up to 1274 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b> June 02, 2014		
<b>Date:</b> _____ <b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/29/2014	



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Chris Jensen Date 5/20/14 Time 1:45 pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: FEDERAL 14-13-9-16 Field: MONUMENT BUTTE  
Well Location: SESW SEC 13 T9S R16E API No: 43-013-32649  
Duchesne County, UT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1273</u>	psig
5	<u>1274</u>	psig
10	<u>1274</u>	psig
15	<u>1274</u>	psig
20	<u>1274</u>	psig
25	<u>1274</u>	psig
30 min	<u>1274</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass

Fail

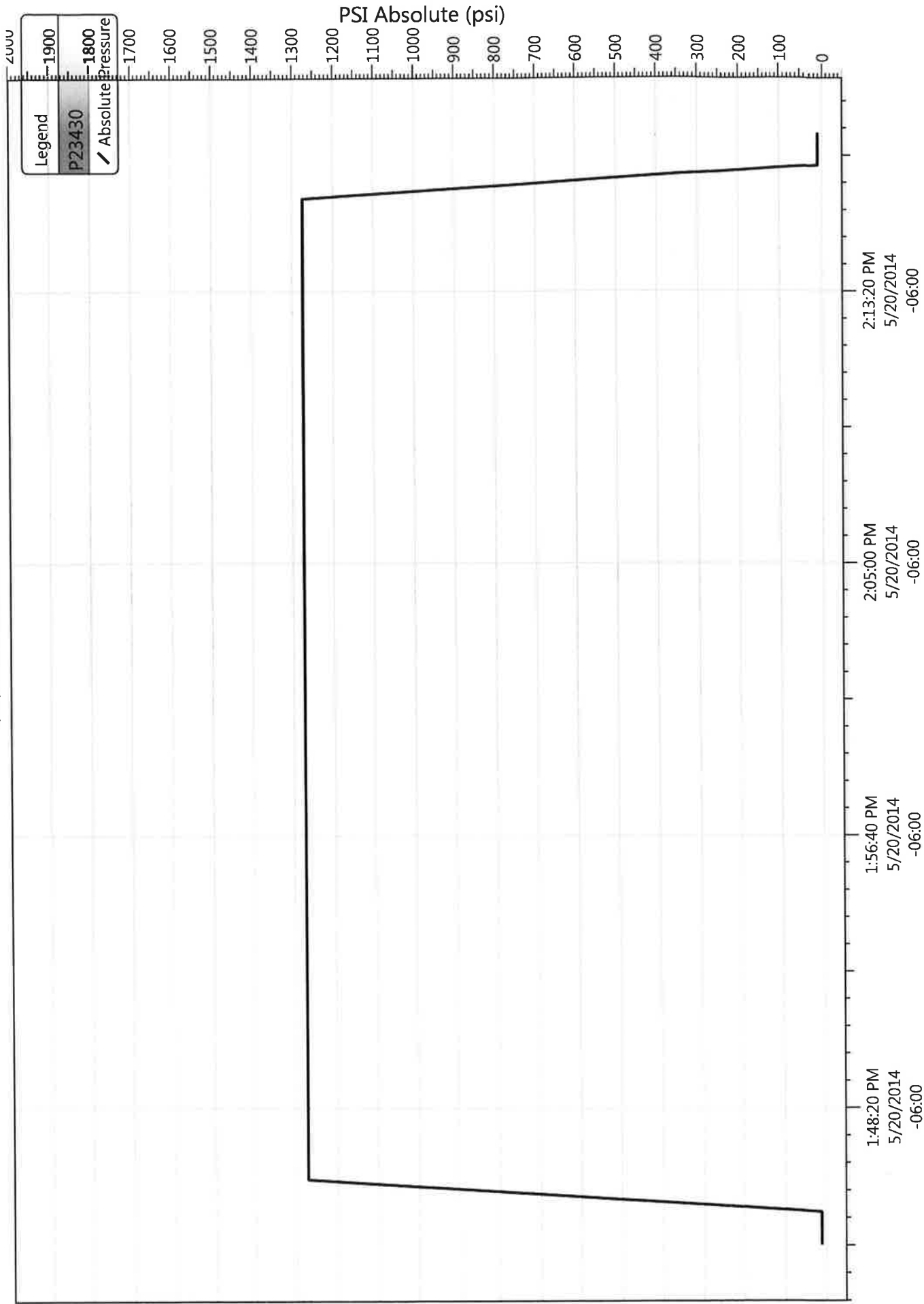
Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh



Federal 14-13-9-16 (5/20/2014, conversion MIT)

5/20/2014 1:43:21 PM







Well Name: Federal 14-13-9-16

## Job Detail Summary Report

Jobs		Job Start Date	Job End Date
Primary Job Type	Conversion	5/13/2014	5/20/2014

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
5/13/2014	5/13/2014	MOVE TO LOCATION	
Start Time	End Time	End Time	Comment
10:00	11:00	11:00	MOVE RIG FROM FEDERAL 43-29-8-18 TO FEDERAL 14-13-9-16
Start Time	End Time	End Time	Comment
11:00	12:30	12:30	SPOT IN EQUIPMENT, LEVEL UP RIG, R/U, FLUSH CASING W/ 40 BBLs @ 250 DEGREES W/ 700 PSI & ENDED W/ 350 PSI.
Start Time	End Time	End Time	Comment
12:30	13:00	13:00	L/D 1 1/2" X 26' POLISH ROD, LAY DOWN 3/4" X 4', 8', 8' PONY SUBS, LAY DOWN 2 - 3/4" 4 PER RODS. HOOK UP FLUSH CAP
Start Time	End Time	End Time	Comment
13:00	13:30	13:30	BLEED DOWN CASING TO PIT 650 PSI MOVING HARDLINE HAD TO OPEN SLOW
Start Time	End Time	End Time	Comment
13:30	14:00	14:00	FLUSH CASING W/ 30 BBLs @ 250 DEGREES
Start Time	End Time	End Time	Comment
14:00	14:30	14:30	P/U 2 - 3/4" 4 PER RODS, P/U 2 - 3/4" X 8' PONY SUBS, P/U 1 - 3/4" 4 PER OFF RIG, SOFT SEAT PUMP & REMOVE B-1 FLOW TEE
Start Time	End Time	End Time	Comment
14:30	15:00	15:00	FILL 2 7/8" J-55 TUBING W/ 10 BBLs AND PRESSURE TEST TUBING TO 3400 PSI AND HOLD FOR 1 MINUTE. L/D 1 - 3/4" 4 PER & 2 - 3/4" X 8' RODS
Start Time	End Time	End Time	Comment
15:00	16:00	16:00	LAY DOWN 3/4" RODS ONTO TRAILER 87 - 3/4" 4 PER. CAME DIRTY FLUSH W/ 20 BBLs @ 250 DEGREE
Start Time	End Time	End Time	Comment
16:00	17:00	17:00	LAY DOWN 3/4" RODS ONTO TRAILER 25 - 3/4" 4 PERS, (TOTAL 112 4 PERS), 45 - 3/4" SLICKS, 13 - 3/4" 4 PERS CAME DIRTY FLUSH W/ 10 BBLs @ 250 DEGREES
Start Time	End Time	End Time	Comment
17:00	17:30	17:30	LAY DOWN ONTO TRAILER 32 - 3/4" 4 PERS, 6 - 1 1/2" WEIGHT BARS, & PUMP 2 1/2" X 1 3/4" X 20' RHAC
Start Time	End Time	End Time	Comment
17:30	18:30	18:30	CHANGE OVER BLOCK, RACK OUT ACCUMULATOR HOSES. PREP TO NIPPLE UP BOP'S. HELP RACK OUT HOT OIL TRUCK
Report Start Date 5/14/2014 Report End Date 5/14/2014 24hr Activity Summary N/D WELLHEAD, UNSET ANCHOR, N/U BOP'S R/U FLOOR TOOTH W/ TBG, M/U PKR TIH PRESSURE TEST TBG & CSG			
Start Time	End Time	End Time	Comment
06:30	07:30	07:30	CREW TRAVEL TO LOCATION (PROBLEM STARTING CREW PICK UP)
Start Time	End Time	End Time	Comment
07:30	08:00	08:00	SAFETY MEETING (PINCH POINTS), SITP - 50 PSI, SICP - 150 PSI BLEED DOWN CGS, FLUSH TBG W/ 30 BBLs @ 250 DEGREES
Start Time	End Time	End Time	Comment
08:00	09:30	09:30	NIPPLE DOWN WELL HEAD, UNSET ANCHOR, NIPPLE UP BOP'S (FUNCTION TEST PIPE RAMS), RIG UP FLOOR, RIG UP TBG EQUIPMENT - 2 SETS OF TONGS
Start Time	End Time	End Time	Comment
09:30	11:30	11:30	PULL 2 7/8" J-55 TUBING TO DERRICK, BREAK, REDOPE, AND MAKE COLLARS 66 JOINTS IN DERRICK, HOOK UP HOT OIL TRUCK AND FLUSH TUBING W/ 20 BBLs @ 250 DEGREES. BLEED DOWN LINES
Start Time	End Time	End Time	Comment
11:30	13:00	13:00	PULL OUT OF HOLE TO DERRICK W/ 2 7/8" J-55 TBG 56 JTS FLUSH W/ 20 BBLs (WAXY INSIDE) & REMOVE 1 SET TONGS OFF FLOOR.
Start Time	End Time	End Time	Comment
13:00	14:00	14:00	L/D TUBING ONTO TRAILER 45 JOINTS, PBGA, BREAK OFF ANCHOR AND BULL PLUG. PULLED LAST 5 JOINTS FULL OF OIL (FUNCTION TEST BLIND RAMS)





Well Name: Federal 14-13-9-16

## Job Detail Summary Report

Sundry Number: 51582 API Well Number: 43013326490000

Start Time	14:00	End Time	14:30	Comment
				PICK UP 2 3/8" PUP JOINT, 5 1/2" PACKER, ON/OFF TOOL AND 2 7/8" SEAT NIPPLE & MAKE THEM UP W/ TONGS
Start Time	14:30	End Time	15:30	Comment
				RUN IN HOLE W/ 2 7/8" J-55 TUBING, LAY DOWN 1 JOINT 2 7/8" J-55 TUBING ONTO TRAILER
Start Time	15:30	End Time	16:30	Comment
				FLUSH TUBING W/ 20 BBLs DROP STANDING VALVE TO SEAT NIPPLE DEPTH @ 3891.55' & FILL TUBING W/ 20 BBLs & PRESSURE UP TO 3000 PSI
Start Time	16:30	End Time	18:30	Comment
				HOLDING PRESSURE @ 3000 PSI, 15 MIN LOST 250 PSI, 15 MINS LOST 150 PSI, 15 MIN LOST 100 PSI, 15 MIN LOST 75 PSI, 15 MIN LOST 50 PSI, 15 MIN LOST 50 PSI HELD 3000 PSI FOR 30 MIN
Start Time	18:30	End Time	19:00	Comment
				RIG UP SAND LINE LUBRICATOR TO FISH STANDING VALVE @ 3891.55'. LATCH ONTO & COME OUT OF TUBING W/ STAND VALVE. BUMP UP TO PRESSURE W/ TOTAL 5 BBLs SIW SDFN
Start Time	19:00	End Time	20:00	Comment
				CREW TRAVEL HOME FROM LOCATION
Report Start Date 5/15/2014 Report End Date 5/15/2014 24hr Activity Summary RD FLOOR, ND BOP'S SET PKR, NU INJ TREE				
Start Time	06:00	End Time	07:00	Comment
				CREW TRAVEL
Start Time	07:00	End Time	08:00	Comment
				SAFETY MEETING (WORKING WITH 3RD PARTY) SITP - 20 PSI, SICP - 50 PSI, FLUSH CASING W/ 50 BBLs @ 100 DEGREES. CIRC UP TUBING BLEED DOWN OIL AND GAS
Start Time	08:00	End Time	09:00	Comment
				RIG DOWN TUBING EQUIPMENT, RIG DOWN FLOOR, NIPPLE DOWN BOP'S, SET 5 1/2" PACKER @ 3,900' W/ 18,000 # TENTION. NIPPLE UP INJECTION TREE
Start Time	09:00	End Time	11:00	Comment
				PUMP PACKER FLUID 3 BUCKETS & FILL CASING W/ 10 BBLs, PRESSURE CASING UP TO 1400 PSI. 20 MIN LOST 250 PSI, 15 MIN LOST 150 PSI, 25 MIN LOST 150 PSI, 20 MIN LOST 100 PSI, 20 MIN LOST 50 PSI, 20 MIN HELD @ 1440 PSI BUMPED UP W/ 2 BBLs TOTAL
Start Time	11:00	End Time	12:00	Comment
				HOOK UP PUMPER TO DO MIT TEST. STARTED W/ 1440 PSI & 15 MINS LOST 20 PSI 1420 PSI, PRESSURED UP AND HOOKED PUMPER ONTO OTHER SIDE OF CSG TO DO MIT TEST STARTED W/ 1390 & LOST 22 PSI IN 18 MIN PRESSURED UP T/1450 PSI & WAITING FOR 1 HOUR
Start Time	12:00	End Time	15:00	Comment
				WAIT ON PRESSURE TO SETTLE, PUMPER HOOKED UP FOR MIT TEST AND LOST 26 PSI IN 30 MINUTES - FAILED TEST, PUMPED UP TO 1450 PSI AND WAITED 45 MINUTES AND HOOKED UP AGAIN FOR MIT TEST AND STARTED 1377 AND IN 30 MINS DOWN TO 1357 LOST 20 PSI. PUMP UP TO 1475 PSI AND SHUT IN WELL. SDFD PUMPED BACK TO PRESSURE TOTAL 3 BBLs
Start Time	15:00	End Time	16:00	Comment
				CREW TRAVEL
Report Start Date 5/16/2014 Report End Date 5/16/2014 24hr Activity Summary Move to 16-29-8-17				
Start Time	06:00	End Time	07:00	Comment
				CREW TRAVEL TO LOCATION FROM HOME
Start Time	07:00	End Time	08:30	Comment
				SAFETY MEETING (GOOD COMMUNICATION) SICP - 1350 PSI BUMP UP W/ HOT OIL TRUCK (PREFERRED) TO 1450 PSI. WAIT ON PUMPER TO SHOW UP FOR MIT TEST. 8:00 AM - CGS PRESSURE 1450 PSI





Well Name: Federal 14-13-9-16

Job Detail Summary Report

Start Time	08:30	End Time	09:00	Comment HOOK UP PUMP TO DO A MIT TEST. GOOD TEST. RIG DOWN PUMPER. STARTED PRESSURE 1425 PSI DIDN'T GET ENDING PRESSURE. (WENT TO TOWN TO GET BALL HITCH TO MOVE RIG)
Start Time	09:00	End Time	10:30	Comment CHANGE OVER BLOCKS, RIG DOWN, PREP TO MOVE RIG TO TAR SAND FEDERAL 16-29-8-17
Report Start Date	5/20/2014	Report End Date	5/20/2014	24hr Activity Summary PERFORM INITIAL MIT
Start Time	01:45	End Time	02:15	Comment On 05/19/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/20/2014 the casing was pressured up to 1274 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.



## NEWFIELD



## Schematic

Well Name: Federal 14-13-9-16

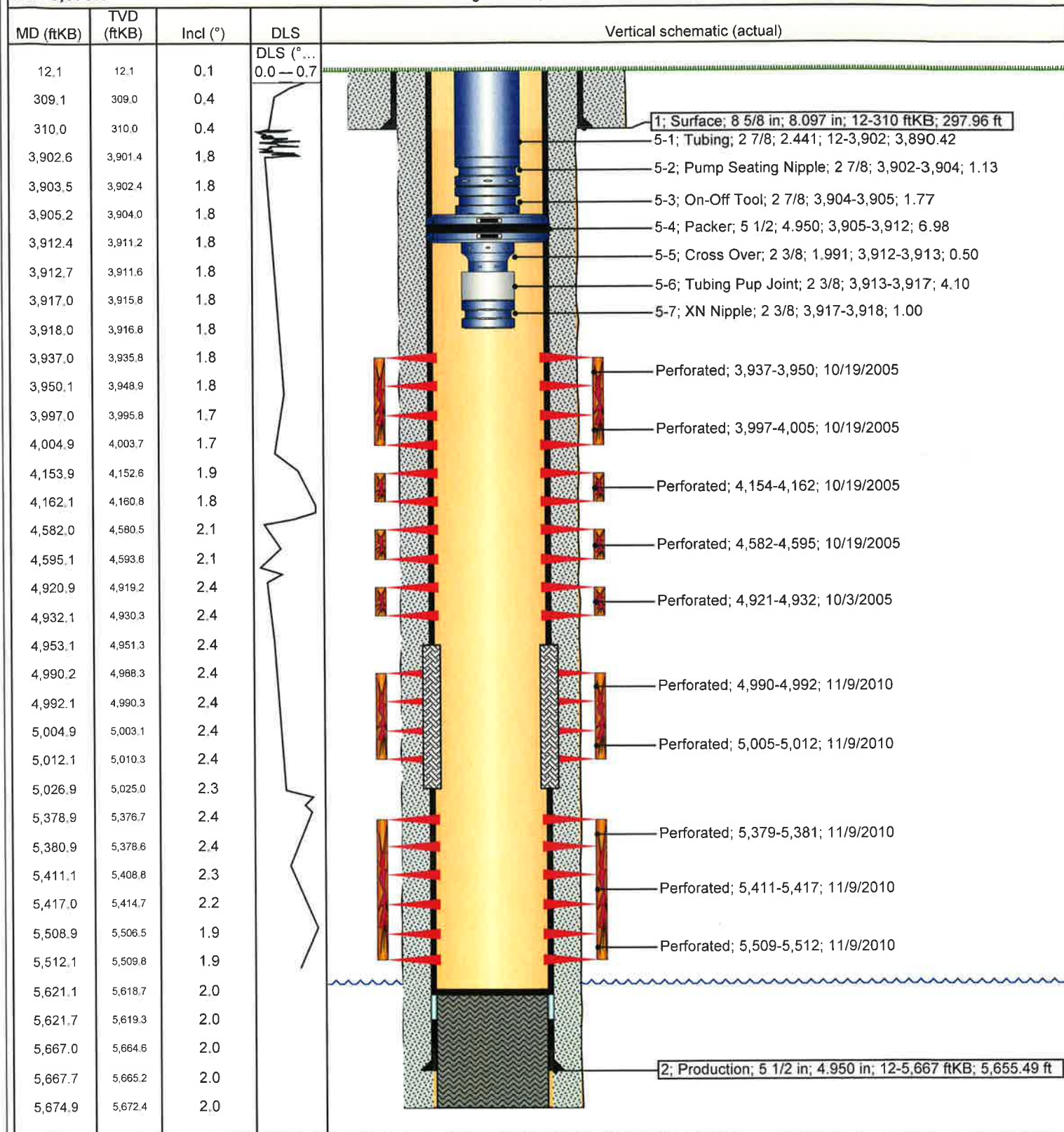
Surface Legal Location 819' FSL & 1940' FWL (SE/SW) SECTION 13-T9S-R16E				API/UWI 43013326490000	Well RC 500151344	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 8/16/2005	Rig Release Date 9/9/2005	On Production Date 10/21/2005	Original KB Elevation (ft) 5,593	Ground Elevation (ft) 5,581	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,621.1		

## Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 5/13/2014	Job End Date 5/20/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 5,675.0

Deviated - Original Hole, 5/22/2014 9:32:36 AM





**NEWFIELD**
**Newfield Wellbore Diagram Data**  
**Federal 14-13-9-16**

Surface Legal Location 819' FSL & 1940' FWL (SE/SW) SECTION 13-T9S-R16E				API/UWI 43013326490000		Lease	
County DUCHESENE		State/Province Utah		Basin Uintah Basin		Field Name GMBU CTB6	
Well Start Date 8/16/2005		Spud Date 8/16/2005		Final Rig Release Date 9/9/2005		On Production Date 10/21/2005	
Original KB Elevation (ft) 5,593	Ground Elevation (ft) 5,581	Total Depth (ftKB) 5,675.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,621.1	

Casing Strings						
Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/16/2005	8 5/8	8.097	24.00	J-55	310
Production	9/8/2005	5 1/2	4.950	15.50	J-55	5,667

Cement				
String: Surface, 310ftKB 8/17/2005				
Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 310.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0
String: Production, 5,667ftKB 9/9/2005				
Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,675.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 300	Class PREMLITE II	Estimated Top (ftKB)
Fluid Description	Fluid Type Tail	Amount (sacks) 450	Class 50:50 POZ/G	Estimated Top (ftKB)
String: Production, 5,667ftKB 3/24/2011				
Cementing Company BJ Services Company	Top Depth (ftKB) 4,953.0	Bottom Depth (ftKB) 5,027.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type	Amount (sacks) 50	Class PREMIUM II	Estimated Top (ftKB)

Tubing Strings								
Tubing Description Tubing				Run Date 5/16/2014		Set Depth (ftKB) 3,917.9		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	121	2 7/8	2.441	6.50	J-55	3,890.42	12.0	3,902.4
Pump Seating Nipple	1	2 7/8				1.13	3,902.4	3,903.6
On-Off Tool	1	2 7/8				1.77	3,903.6	3,905.3
Packer	1	5 1/2	4.950			6.98	3,905.3	3,912.3
Cross Over	1	2 3/8	1.991			0.50	3,912.3	3,912.8
Tubing Pup Joint	1	2 3/8				4.10	3,912.8	3,916.9
XN Nipple	1	2 3/8				1.00	3,916.9	3,917.9

Rod Strings							
Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals							
Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
4	GB4 SANDS, Original Hole	3,937	3,950	4			10/19/2005
4	GB4 SANDS, Original Hole	3,997	4,005	4			10/19/2005
3	PB8 SANDS, Original Hole	4,154	4,162	4			10/19/2005
2	D2 SANDS, Original Hole	4,582	4,595	4			10/19/2005
1	A1 SANDS, Original Hole	4,921	4,932	4			10/3/2005
6	A3 SANDS, Original Hole	4,990	4,992	3	120		11/9/2010
6	A3 SANDS, Original Hole	5,005	5,012	3	120		11/9/2010
5	CP1 SANDS, Original Hole	5,379	5,381	3	120		11/9/2010
5	CP2 SANDS, Original Hole	5,411	5,417	3	120		11/9/2010
5	CP3 SANDS, Original Hole	5,509	5,512	3	120		11/9/2010

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,310		4.0	1,720			
1	2,060	0.85	14.4	3,495			
2	2,000	0.87	25.5	1,913			
3	2,925	1.14	14.5	2,429			
4	1,590	0.83	14.6	1,484			
5	1,682	0.74	14.0	6,681			



**NEWFIELD**
**Newfield Wellbore Diagram Data**  
**Federal 14-13-9-16**
**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
6	970	0.63	14.0	5,091			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant SAND 38723 LB
1		Proppant SAND 75389 LB
2		Proppant SAND 29831 LB
3		Proppant SAND 60097 LB
4		Proppant SAND 13388 LB
5		Proppant SAND 22961 LB
6		



**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 7, 2014

**RECEIVED**

**FEB 10 2014**

**DIV. OF OIL, GAS & MINING**

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #14-13-9-16  
Monument Butte Field, Lease #UTU-64805  
Section 13-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #14-13-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Jill L. Loyle  
Regulatory Associate



**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #14-13-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-64805**  
**FEBRUARY 7, 2014**



## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #14-13-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #6-13-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #10-13-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #11-13-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #12-13-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #13-13-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #15-13-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #16-13-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #2-24-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #3-24-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #4-24-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – JONAH FEDERAL #9-14-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 10/4/05 – 10/22/05 & 11/6/10 – 11/12/10
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Federal #14-13-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-64805  
Well Location: QQ SESW section 13 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes [ X ] No [ ]

Will the proposed well be used for: Enhanced Recovery? ..... Yes [ X ] No [ ]  
Disposal? ..... Yes [ ] No [ X ]  
Storage? ..... Yes [ ] No [ X ]

Is this application for a new well to be drilled? ..... Yes [ ] No [ X ]

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes [ ] No [ X ]

Date of test: \_\_\_\_\_

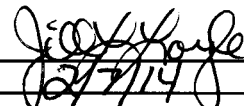
API number: 43-013-32649

Proposed injection interval: from 3792 to 5568  
Proposed maximum injection: rate 500 bpd pressure 1564 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L Loyle Signature   
Title Regulatory Associate Date 6/27/14  
Phone No. (303)383-4135

(State use only)

Application approved by \_\_\_\_\_ Title \_\_\_\_\_

Approval Date \_\_\_\_\_

Comments:



# Federal 14-13-9-16

Spud Date: 8-16-05  
Put on Production: 10-21-05  
GL: 5581' KB: 5592'

Initial Production: BOPD,  
MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.26')  
DEPTH LANDED: 313.11' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

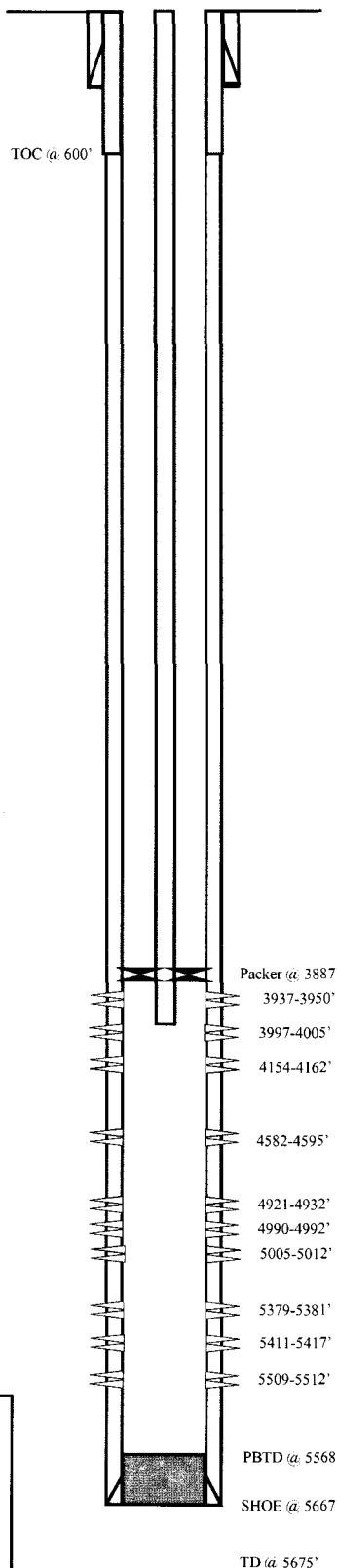
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 127 jts. (5656.84')  
DEPTH LANDED: 5667.49' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 600'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 167 jts (5391')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (32.6')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5438.4' KB  
NO. OF JOINTS: 1 jts (31.5')  
GAS ANCHOR: 5471'  
NO OF JOINTS: 3 jts (95.2')  
TOTAL STRING LENGTH: EOT @ 5572' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

10-06-05	4921-4932'	<b>Frac A1 sands as follows:</b> 38723# 20/40 sand in 208 bbls Lightning 17 frac fluid. Treated @ avg press of 3220 psi w/avg rate of 14.2 BPM. ISIP 2060 psi. Actual flush: 1176 gal.
10-19-05	4582-4595'	<b>Frac D2 sands as follows:</b> 75389# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Actual flush: 4376 gal.
10-19-05	4154-4162'	<b>Frac PB8 sands as follows:</b> 29831# 20/40 sand in 340 bbls Lightning 17 frac fluid. Treated @ avg press of 2398 psi w/avg rate of 14.3 BPM. ISIP 2925 psi. Actual flush: 3898 gal.
10-19-05	3937-4005'	<b>Frac GB4 sands as follows:</b> 60097# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 1420 psi w/avg rate of 14.4 BPM. ISIP 1590 psi. Actual flush: 3864 gal.
11-09-10	5379-5512'	<b>Frac CP1, CP2, &amp; CP3 sands as follows:</b> 13388# 20/40 sand in 123 bbls Lightning 17 fluid.
11-09-10	4990-5012'	<b>Frac A3 sands as follows:</b> 22961# 20/40 sand in 207 bbls Lightning 17 fluid.
11-11-10		<b>Re-Completion</b> - updated detail
11/12/2010		

## PERFORATION RECORD

10-04-05	4921-4932'	4 JSPF	44 holes
10-19-05	4582-4895'	4 JSPF	52 holes
10-19-05	4154-4162'	4 JSPF	32 holes
10-19-05	3937-3950'	4 JSPF	52 holes
10-19-05	3997-4005'	4 JSPF	32 holes
11-09-10	5509-5512'	3 JSPF	9 holes
11-09-10	5411-5417'	3 JSPF	18 holes
11-09-10	5379-5381'	3 JSPF	6 holes
11-09-10	5005-5012'	3 JSPF	21 holes
11-09-10	4990-4992'	3 JSPF	6 holes

**NEWFIELD**

**Federal 14-13-9-16**

819' FSL & 1940' FWL

SE/SW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32649; Lease #UTU-64805



## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.



**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #14-13-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

- 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #14-13-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3792' - 5568'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3473' and the TD is at 5675'.

- 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #14-13-9-16 is on file with the Utah Division of Oil, Gas and Mining.



- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-64805) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.



**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 313' KB, and 5-1/2", 15.5# casing run from surface to 5667' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.



**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1564 psig.

**2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #14-13-9-16, for existing perforations (3937' - 5512') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1564 psig. We may add additional perforations between 3473' and 5675'. See Attachments G and G-1.

**2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #14-13-9-16, the proposed injection zone (3792' - 5568') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

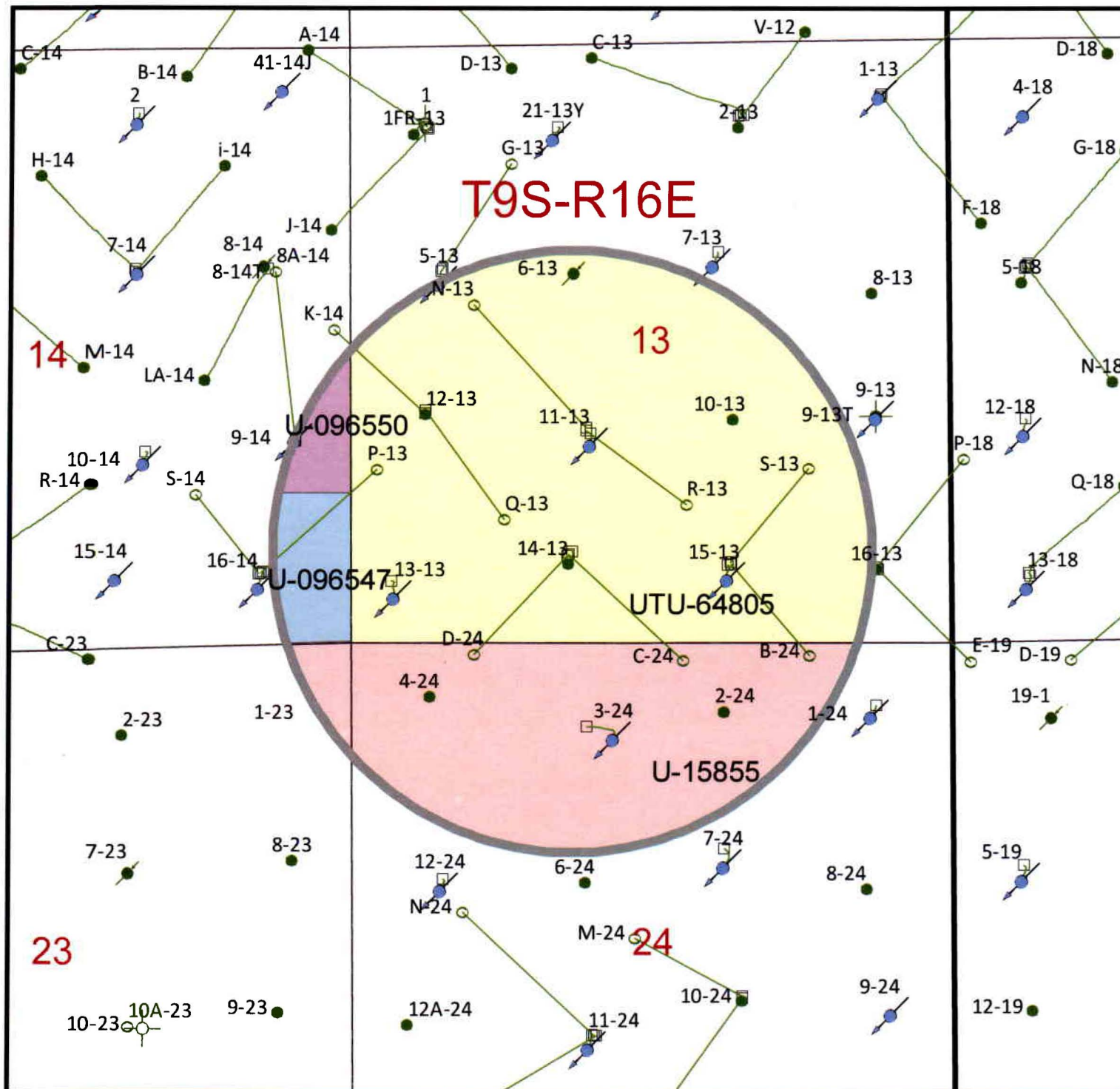
**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





## Lease Number

- U-096547
- U-096550
- U-15855
- UTU-64805

Half-Mile Buffer

## Well Status

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Federal 14-13-9-16  
Section 13, T9S-R16E



## 1/2 Mile Radius Map

Duchesne County

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone (303) 893-0102

Jan. 6, 2014



***T9S, R16E, S.L.B.&M.***

*INLAND PRODUCTION COMPANY*

WELL LOCATION, FEDERAL 14-13-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 SW  
1/4 OF SECTION 13, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

2645.78' (Measured) N89°56'W - 80.00 (G.L.O.)

N89°56'00"W (Basis of Bearings)

N89°56'13"W - 2643.34' (Meas.)

1910  
Brass Cap

1910  
Brass Cap

Bronze  
Cap

**WELL LOCATION:**  
**FEDERAL 14-13-9-16**

ELEV. UNGRADED GROUND = 5581.2'

*13*

1910  
Brass Cap

DRILLING  
WINDOW

1940'

819, [

1910  
Brass Cap

1910  
Brass Cap

1489°46'18"W - 2663.56' (Meas.)

N89°52'W - 80.06 (G.L.O.)

4 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

~~STACY W.~~

REGISTERED LAND SURVEY

REGISTRATION No. 080307

STATE OF

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 7-20-04

DRAFTED BY: F.T.M.

NOTES:

FILE #



**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
2	T9S-R16E SLM Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
3	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
4	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA



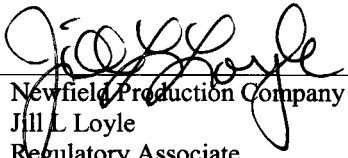
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #14-13-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

  
Newfield Production Company  
Jill L. Loyle  
Regulatory Associate

Sworn to and subscribed before me this 7<sup>th</sup> day of February, 2014.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15

LYDIA BIONDO  
Notary Public  
State of Colorado



## Federal 14-13-9-16

Spud Date: 8-16-05  
Put on Production: 10-21-05  
GL: 5581' KB: 5592'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.26')  
DEPTH LANDED: 313.11' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 127 jts. (5656.84')  
DEPTH LANDED: 5667.49' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 600'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 167 jts (5391')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (32.6')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5438.4' KB  
NO. OF JOINTS: 1 jts (31.5')  
GAS ANCHOR: 5471'  
NO OF JOINTS: 3 jts (95.2')  
TOTAL STRING LENGTH: EOT @ 5572' KB

SUCKER RODS

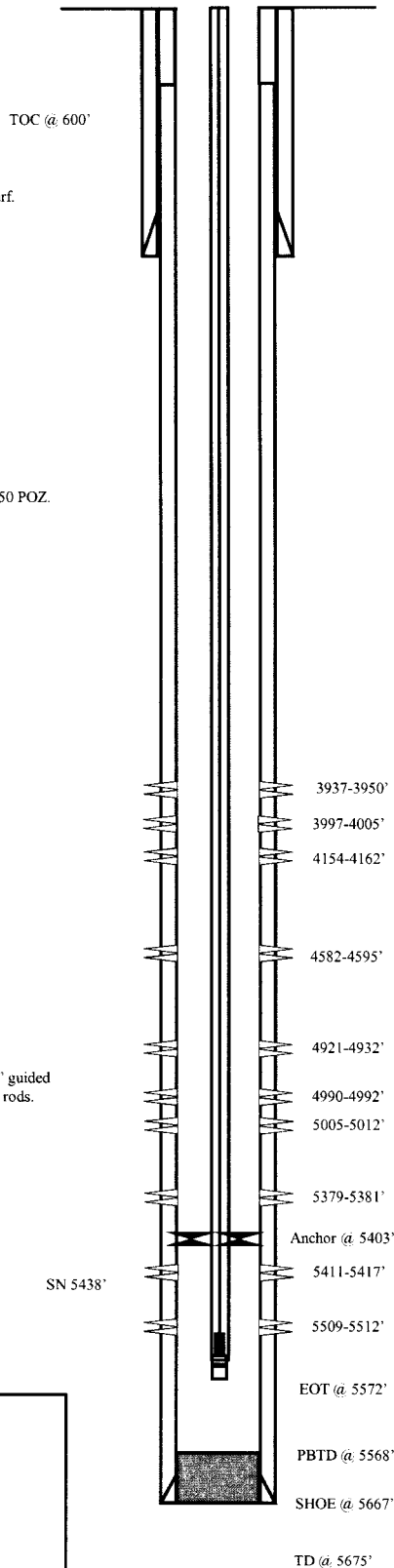
POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1 - 2', 1 - 4', 1 - 12' x 3/4" pony sub, 113-3/4" guided rods, 80-3/4" sucker rods, 10-3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM

FRAC JOB

10-06-05	4921-4932'	<b>Frac A1 sands as follows:</b> 38723# 20/40 sand in 208 bbls Lightning 17 frac fluid. Treated @ avg press of 3220 psi w/avg rate of 14.2 BPM. ISIP 2060 psi. Actual flush: 1176 gal.
10-19-05	4582-4595'	<b>Frac D2 sands as follows:</b> 75389# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Actual flush: 4376 gal.
10-19-05	4154-4162'	<b>Frac PB8 sands as follows:</b> 29831# 20/40 sand in 340 bbls Lightning 17 frac fluid. Treated @ avg press of 2398 psi w/avg rate of 14.3 BPM. ISIP 2925 psi. Actual flush: 3898 gal.
10-19-05	3937-4005'	<b>Frac GB4 sands as follows:</b> 60097# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 1420 psi w/avg rate of 14.4 BPM. ISIP 1590 psi. Actual flush: 3864 gal.
11-09-10	5379-5512'	<b>Frac CP1, CP2, &amp; CP3 sands as follows:</b> 13388# 20/40 sand in 123 bbls Lightning 17 fluid.
11-09-10	4990-5012'	<b>Frac A3 sands as follows:</b> 22961# 20/40 sand in 207 bbls Lightning 17 fluid.
11-11-10		<b>Re-Completion</b> - updated detail
11/12/2010		

PERFORATION RECORD

10-04-05	4921-4932'	4 JSPF	44 holes
10-19-05	4582-4895'	4 JSPF	52 holes
10-19-05	4154-4162'	4 JSPF	32 holes
10-19-05	3937-3950'	4 JSPF	52 holes
10-19-05	3997-4005'	4 JSPF	32 holes
11-09-10	5509-5512'	3 JSPF	9 holes
11-09-10	5411-5417'	3 JSPF	18 holes
11-09-10	5379-5381'	3 JSPF	6 holes
11-09-10	5005-5012'	3 JSPF	21 holes
11-09-10	4990-4992'	3 JSPF	6 holes



Federal 14-13-9-16

819' FSL &amp; 1940' FWL

SE/SW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32649; Lease #UTU-64805



## Federal 6-13-9-16

Wellbore Diagram

P &amp; A

Spud Date: 9/26/2005

Put on Production:

GL: 5514' KB: 5526'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (303.52')

DEPTH LANDED: 313.52'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, circ. 5.5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5815.38')

DEPTH LANDED: 5813.38'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II &amp; 450 sxs 50/50 POZ. 9 bbls to surf.

CEMENT TOP AT: No CBL run

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: jts (')

TUBING ANCHOR:

NO. OF JOINTS: 1 jts (')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT:

NO. OF JOINTS: jts (')

TOTAL STRING LENGTH: EOT @

SUCKER RODS

POLISHED ROD:

SUCKER RODS:

PUMP SIZE:

STROKE LENGTH:

PUMP SPEED, SPM:

FRAC JOB

03-2006

09/19/12

Operations Suspended

P&A - CIBP @ 3510' TOC @ 3355', CIBP @ 1400' TOC @ 1168, 15.5 sacks Class G cement down both casings to surface. Stoney Anderton w/ BLM witnessed the P&A. Weld plate, back fill hole, dig up deadmen & cut off 3' below ground level. South Slope Reclamation to do dirt work.

Cement Plug 0'-314'  
15.5 sxs Class G Cement

Plug # 2 - Green River TOC 1168'  
50 sxs Class G Cement plug on top of CIBP  
CIBP @ 1400'

Plug # 1 - Garden Gulch TOC @ 3355'  
18 sxs Class G Cement plug on top of CIBP  
CIBP @ 3510'

TD @ 5825'

PERFORATION RECORD**NEWFIELD****Federal 6-13-9-16**

1794' FNL &amp; 1960' FWL (SE/NW)

Section 13, T9S, R16E

Duchesne Co, Utah

API # 43-013-32657; Lease # UTU-64805

LCN 10/04/12



## Federal 10-13-9-16

Spud Date: 10/26/05  
 Put on Production: 12/12/05  
 GL: 5519' KB:5529'

## Wellbore Diagram

Initial Production: BOPD 52,  
 MCFD 25, BWPD 25

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.45')  
 DEPTH LANDED: 312.45' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5786.4')  
 DEPTH LANDED: 5784.4' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.  
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5338.64')  
 TUBING ANCHOR: 5348.64' KB  
 NO. OF JOINTS: 1 jt (32.60')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5384.04' KB  
 NO. OF JOINTS: 2 jts (65.17')  
 TOTAL STRING LENGTH: EOT @ 5450.76' w/ 10' KB'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1-2" x 3/4" pony rods, 100-3/4" scraped rods, 99-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods, .  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIG/GR/SP/CAL

FRAC JOB

12/06/05 5819'-5826' **Frac CPI sands as follows:**  
 29,922# 20/40 sand in 367 bbls lightning  
 Frac 17 fluid. Treated @ avg press of 2034 psi  
 w/avg rate of 25 BPM. ISIP 2140 psi. Calc  
 flush: 5817 gal. Actual flush: 5082 gal.

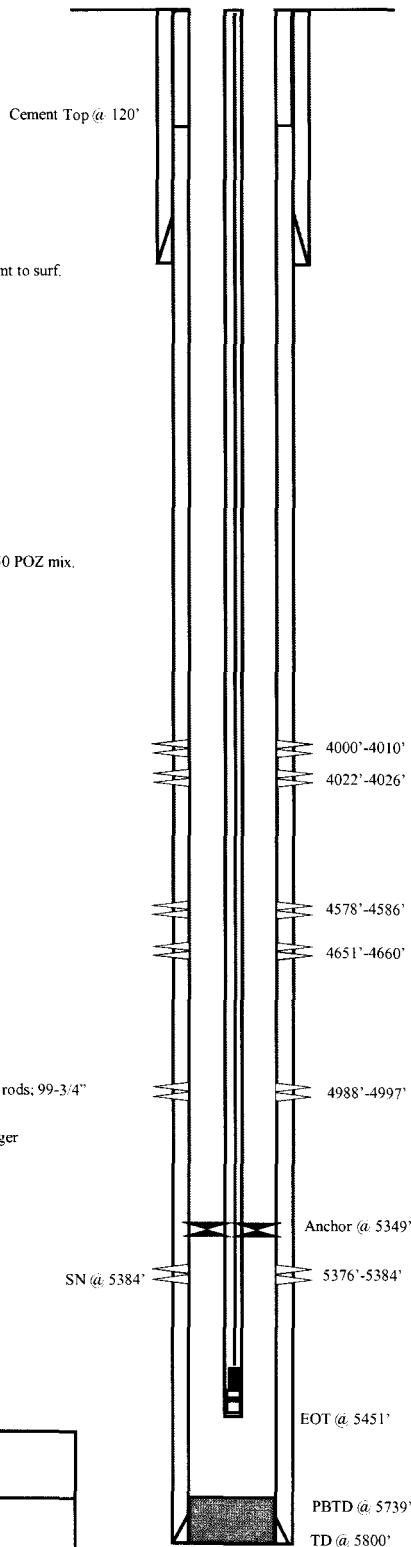
12/06/05 4988'-4997' **Frac LODC sands as follows:**  
 30,233# 20/40 sand in 371 bbls lightning  
 Frac 17 fluid. Treated @ avg press of 2069 psi  
 w/avg rate of 25 BPM. ISIP 2320 psi. Calc  
 flush: 4986 gal. Actual flush: 4725 gal.

12/06/05 4578'-4660' **Frac D2 & C sands as follows:**  
 75,870# 20/40 sand in 574 bbls lightning Frac  
 17 fluid. Treated @ avg press of 2092 psi  
 w/avg rate of 25 BPM. ISIP 2080 psi. Calc  
 flush: 4576 gal. Actual flush: 4326 gal.

12/06/05 4000'-4026' **Frac GB6 sands as follows:**  
 51,023# 20/40 sand in 430 bbls lightning Frac  
 17 fluid. Treated @ avg press of 1681 psi  
 w/avg rate of 25.1 BPM. ISIP 1720 psi. Calc  
 flush: 3998 gal. Actual flush: 3906 gal.

PERFORATION RECORD

11/30/05	5376'-5384'	4 JSPF	32 holes
12/06/05	4988'-4997'	4 JSPF	36 holes
12/06/05	4651'-4660'	4 JSPF	36 holes
12/06/05	4578'-4586'	4 JSPF	32 holes
12/06/05	4022'-4026'	4 JSPF	16 holes
12/06/05	4000'-4010'	4 JSPF	40 holes

**NEWFIELD**

Federal 10-13-9-16

1971' FSL &amp; 1917' FEL

NW/SE Section 13-T9S-R16E

Duchesne County, Utah

API #43-013-32653; Lease #UTU-64805



Spud Date: 10/31/05

Put on Production: 12/14/05

GL: 5444' KB:5454'

## Federal 11-13-9-16

Initial Production: BOPD 51,  
MCFD 39, BWPD 28Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (296.83')

DEPTH LANDED: 306.83' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx Class "G" mixed cmt, est 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5791.7')

DEPTH LANDED: 5789.7' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sx Prem. Lite II mixed &amp; 450 sx 50/50 POZ mix.

CEMENT TOP AT: 34'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 122 jts (3950.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3960.3' KB

X NIPPLE AT: 3961.4'

ARROW #1 PACKER CE AT: 3966.63'

XO 2-3/8 x 2-7/8 J-55 AT: 3970.4'

TBG PUP 2-3/8 J-55 AT: 3970.9'

X/N NIPPLE AT: 3975.1'

TOTAL STRING LENGTH: EOT @ 3976.58'

Cement Top @ 34'

Casing shoe @ 307'

SN @ 3960'

XN @ 3961'

Packer @ 3967'

X/N Nipple @ 3975'

EOT @ 3977'

4012'-4020'

4776'-4782'

4938'-4944'

5361'-5369'

5387'-5394'

5423'-5429'

5610'-5614'

5628'-5634'

PBDT @ 5758'

TD @ 5800'

FRAC JOB

12/09/05 5610'-5634'

**Frac CP4 sands as follows:**40,198# 20/40 sand in 394 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1702 psi  
w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc  
flush: 5608 gal. Actual flush: 5007 gal.

12/09/05 5361'-5429'

**Frac CP1 & CP2 sands as follows:**95,683# 20/40 sand in 703 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1593 psi  
w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc  
flush: 5359 gal. Actual flush: 4775 gal.

12/10/05 4938'-4944'

**Frac A1 sands as follows:**20,953# 20/40 sand in 278 bbls lightning Frac  
17 fluid. Treated @ avg press of 1972 psi  
w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc  
flush: 4936 gal. Actual flush: 4368 gal.

12/10/05 4776'-4782'

**Frac B1 sands as follows:**36,114# 20/40 sand in 380 bbls lightning Frac  
17 fluid. Treated @ avg press of 2210psi  
w/avg rate of 24.9 BPM. ISIP 1975 psi. Calc  
flush: 4774 gal. Actual flush: 3822 gal.

12/10/05 4012'-4020'

**Frac GB4 sands as follows:**19,329# 20/40 sand in 268 bbls lightning Frac  
17 fluid. Treated @ avg press of 1347psi  
w/avg rate of 14.3 BPM. ISIP 1700 psi. Calc  
flush: 4010 gal. Actual flush: 3927 gal.

06/28/07

**Pump Change.** Update rod and tubing details.

02/19/13

**Convert to Injection Well**

02/19/13

**Conversion MIT Finalized** - update tbg  
detailPERFORATION RECORD

12/05/05	5628'-5634'	4 JSPF	24 holes
12/05/05	5610'-5614'	4 JSPF	16 holes
12/09/05	5423'-5429'	4 JSPF	24 holes
12/09/05	5387'-5394'	4 JSPF	28 holes
2/09/05	5361'-5369'	4 JSPF	32 holes
12/09/05	4938'-4944'	4 JSPF	24 holes
2/10/05	4776'-4782'	4 JSPF	24 holes
12/10/05	4012'-4020'	4 JSPF	32 holes

**NEWFIELD**

**Federal 11-13-9-16**  
1855' FSL & 2103' FWL  
NE/SW Section 13-T9S-R16E  
Duchesne County, Utah  
API #43-013-32652; Lease #UTU-64805



## Federal 12-13-9-16

Spud Date: 9-29-05  
 Put on Production: 11-23-05  
 GL: 5490' KB: 5502'

## Wellbore Diagram

Initial Production: BOPD,  
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.74')  
 DEPTH LANDED: 315.64' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5714.51')  
 DEPTH LANDED: 5668.64' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

TUBING

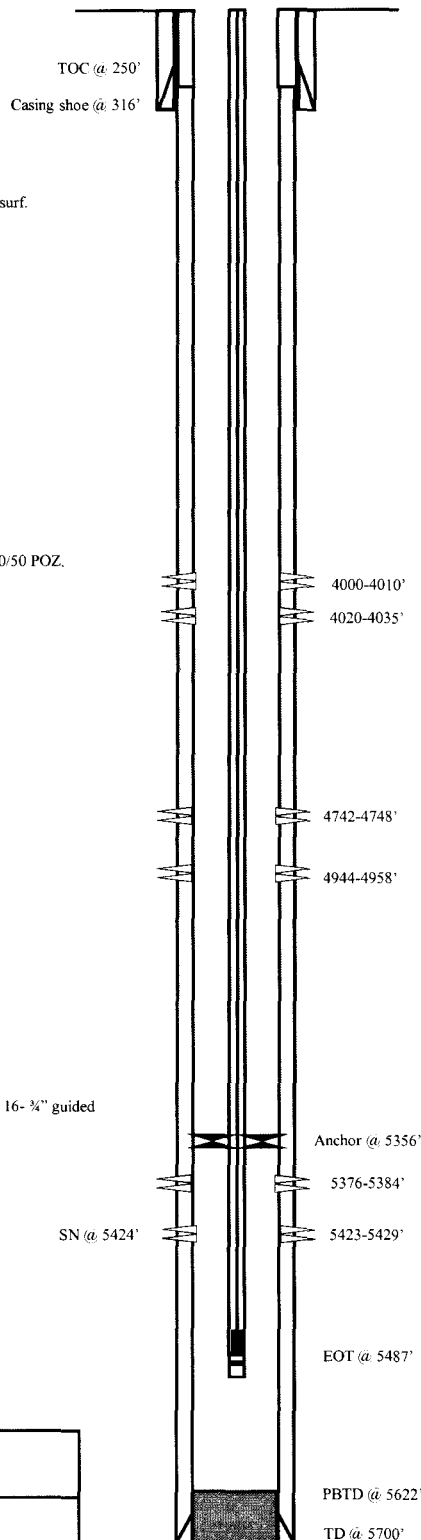
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5344.2')  
 TUBING ANCHOR: 5356.2' KB  
 NO. OF JOINTS: 2 jts (64.50')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5423.5' KB  
 NO. OF JOINTS: 2 jts (62.44')  
 TOTAL STRING LENGTH: EOT @ 5487' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 100- 3/4" guided rods, 94- 3/4" guided rods. 16- 3/4" guided rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

FRAC JOB

11-16-05	5376-5429'	<b>Frac CP1, CP2 sands as follows:</b> 50812# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 psi w/avg rate of 25.1 BPM. ISIP 2250 psi. Calc flush: 5374 gal. Actual flush: 5078 gal.
11-16-05	4944-4958'	<b>Frac A1 sands as follows:</b> 80407# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 2025 psi w/avg rate of 25.1 BPM. ISIP 2270 psi. Calc flush: 4942 gal. Actual flush: 4700 gal.
11-17-05	4742-4748'	<b>Frac B.5 sands as follows:</b> 25030# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 2055 psi w/avg rate of 25.1 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
11-17-05	4000-4035'	<b>Frac GB4, &amp; GB6 sands as follows:</b> 112538# 20/40 sand in 755 bbls Lightning 17 frac fluid. Treated @ avg press of 1673 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 3998 gal. Actual flush: 3906 gal.
9/17/09		Pump Change. Updated rod & tubing details.
12/16/10		Tubing Leak. Rod & tubing updated.

PERFORATION RECORD

11-04-05	5423-5429'	4 JSPF	24 holes
11-04-05	5376-5384'	4 JSPF	32 holes
11-16-05	4944-4958'	4 JSPF	56 holes
11-16-05	4742-4748'	4 JSPF	24 holes
11-17-05	4020-4035'	4 JSPF	60 holes
11-17-05	4000-4010'	4 JSPF	40 holes

**NEWFIELD****Federal 12-13-9-16**

2018' FSL &amp; 651' FWL

NW/SW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32651; Lease #UTU-64805

TW 01/25/11



## FEDERAL 13-13-9-16

Spud Date: 04/13/07

Put on Production: 05/23/07

GL: 5592' KB: 5604'

Initial Production: 53 BOPD,  
3 MCFD, 88 BWPDInjection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (309.33')  
 DEPTH LANDED: 319.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5793.19')  
 DEPTH LANDED: 5789.19' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 126 jts (3906.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3918.4' KB  
 ON/OFF TOOL AT: 3919.5'  
 ARROW #1 PACKER CE AT: 3924.9'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3928.3'  
 TBG PUP 2-3/8 J-55 AT: 3928.8'  
 X/N NIPPLE AT: 3932.9'  
 TOTAL STRING LENGTH: EOT @ 3934.27'

FRAC JOB

05/15/07 5528-5533' **Frac CP3 sands as follows:**  
 14792# 20/40 sand in 265 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2351 psi  
 w/avg rate of 24.8 BPM. ISIP 2074 psi. Calc  
 flush: 5526 gal. Actual flush: 5019 gal.

05/15/07 5366-5374' **Frac CP1 sands as follows:**  
 40830# 20/40 sand in 346 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1857 psi  
 w/avg rate of 22.6 BPM. ISIP 1997 psi. Calc  
 flush: 5364 gal. Actual flush: 4868 gal.

05/18/07 4909-4959' **Frac A1&3 sands as follows:**  
 67943# 20/40 sand in 542 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1919 psi  
 w/avg rate of 24.7 BPM. ISIP 1970 psi. Calc  
 flush: 4907 gal. Actual flush: 4406 gal.

05/18/07 4628-4642' **Frac C sands as follows:**  
 29975# 20/40 sand in 345 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1884 psi  
 w/avg rate of 24.7 BPM. ISIP 1910 psi. Calc  
 flush: 4626 gal. Actual flush: 4124 gal

05/18/07 4494-4499' **Frac D1 sands as follows:**  
 14891# 20/40 sand in 237 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1954 psi  
 w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc  
 flush: 4492 gal. Actual flush: 3990 gal

05/18/07 3983-4035' **Frac GB4&6 sands as follows:**  
 56438# 20/40 sand in 443 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1550 psi  
 w/avg rate of ? BPM. ISIP 1685 psi. Calc  
 flush: 3981 gal. Actual flush: 3910 gal

7/17/08 **Pump change.** updated rod and tubing detail.

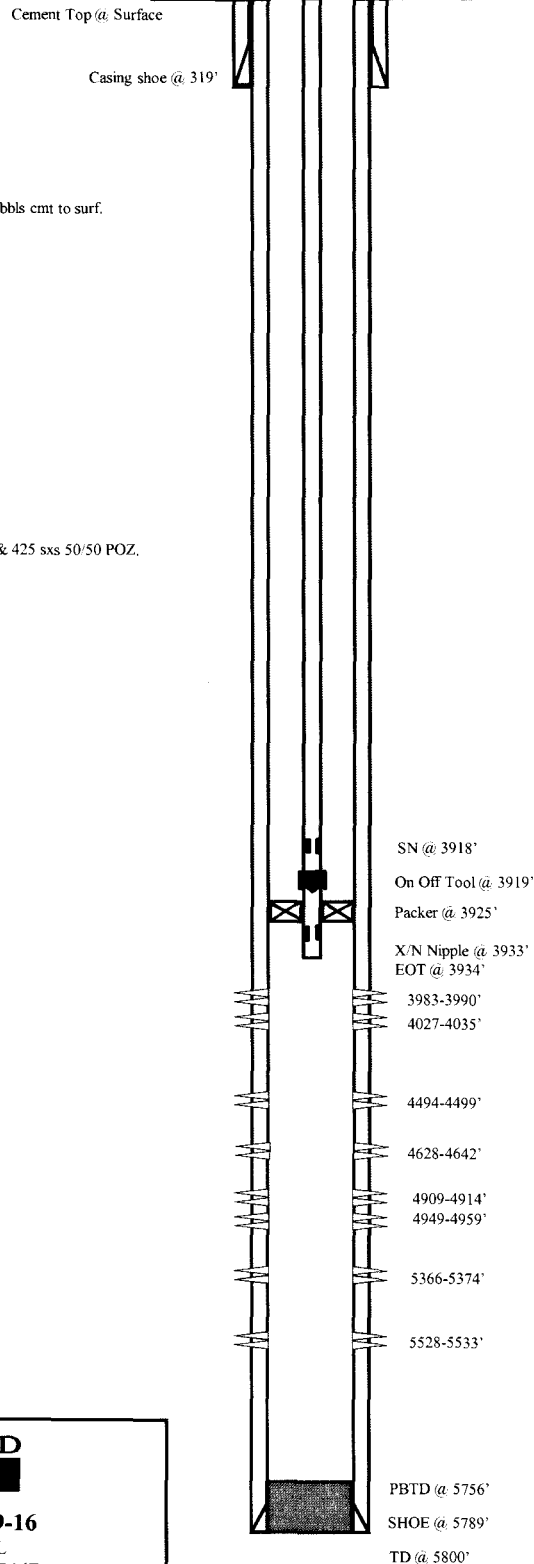
1/20/2010 **Pump change.** Updated rod and tubing detail.

12/11/12 **Convert to Injection Well**

12/12/12 **Conversion MIT Finalized** – update tbg  
 detail

PERFORATION RECORD

05/02/07	5528-5533'	4 JSPF	20 holes
05/15/07	5366-5374'	4 JSPF	32 holes
05/15/07	4949-4959'	4 JSPF	40 holes
05/15/07	4909-4914'	4 JSPF	20 holes
05/18/07	4628-4642'	4 JSPF	56 holes
05/18/07	4494-4499'	4 JSPF	20 holes
05/18/07	4027-4035'	4 JSPF	32 holes
05/18/07	3983-3990'	4 JSPF	28 holes

**NEWFIELD****FEDERAL 13-13-9-16**

555' FSL & 344' FWL  
 SW/SW Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32650; Lease # UTU-64805



Spud Date: 10-18-05  
 Put on Production: 12-05-05  
 GL: 5553' KB: 5565'

## Federal 15-13-9-16

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (308.61')  
 DEPTH LANDED: 320.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

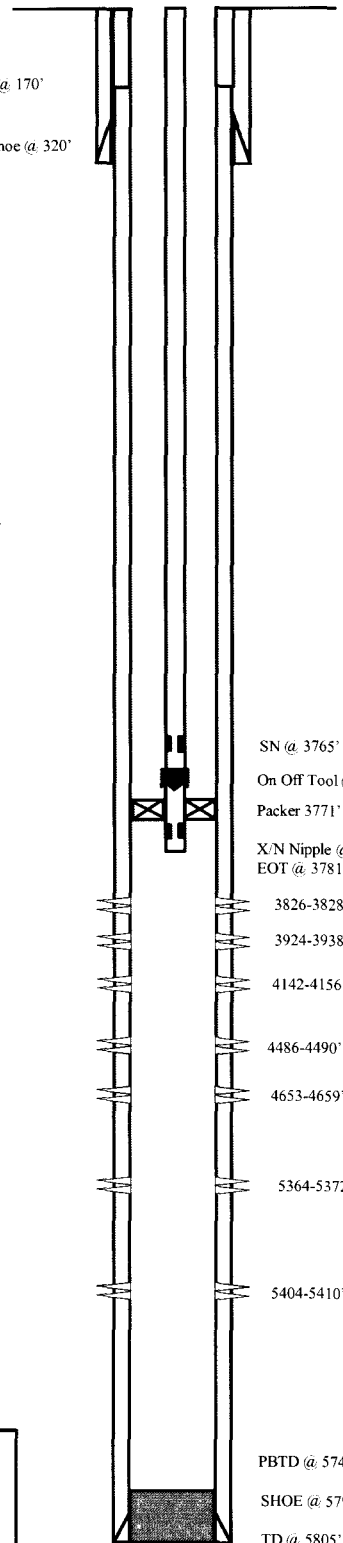
PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5777.86')  
 DEPTH LANDED: 5791.11' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 120 jts (3754.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3764.9' KB  
 ON/OFF TOOL AT: 3766'  
 ARROW #1 PACKER CE AT: 3771.25'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3775'  
 TBG PUP 2-3/8 J-55 AT: 3775.5'  
 X/N NIPPLE AT: 3779.7'  
 TOTAL STRING LENGTH: EOT @ 3781'

Cement top @ 170'  
 Casing Shoe @ 320'

FRAC JOB

11-30-05	5364-5410'	<b>Frac CP2, &amp; CP1 sands as follows:</b> 44747# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5362 gal. Actual flush: 5376 gal.
12-01-05	4653-4659'	<b>Frac C sands as follows:</b> 19588# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2290 psi w/avg rate of 24.7 BPM. ISIP 2850 psi. Calc flush: 4651 gal. Actual flush: 4702 gal.
12-01-05	4486-4490'	<b>Frac D1 sands as follows:</b> 19605# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4946 gal. Actual flush: 4494 gal.
12-01-05	4142-4156'	<b>Frac PB8 sands as follows:</b> 58778# 20/40 sand in 546 bbls Lightning 17 frac fluid. Treated @ avg press of 2383 w/avg rate of 14.2 BPM. ISIP 3200 psi. Calc flush: 3140 gal. Actual flush: 4200 gal.
12-01-05	3924-3938'	<b>Frac GB4 sands as follows:</b> 30034# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 1314 w/avg rate of 14.2 BPM. ISIP 1500 psi. Calc flush: 3922 gal. Actual flush: 3864 gal.
06-16-06		<b>Pump change:</b> Update rod and tubing details.
12-15-06		<b>Pump Change:</b> Updated rod and tubing detail.
11/18/08		<b>Pump Change:</b> Updated rod & tubing details.
2/21/2010		<b>Tubing Leak:</b> Updated rod and tubing detail.
12/13/10	3826-3836'	<b>Frac GB2 sands as follows:</b> 28786# 20/40 sand in 173 bbls Lightning 17 fluid.
12/14/10		<b>Re-Completion finalized</b> – updated tbg and rod detail.
10/17/12		<b>Convert to Injection Well</b>
10/18/12		<b>Conversion MIT Finalized</b> – update tbg detail

PERFORATION RECORD

11-18-05	5404-5410'	4 JSPF	24 holes
11-18-05	5364-5372'	4 JSPF	32 holes
11-30-05	4653-4659'	4 JSPF	24 holes
12-01-05	4486-4490'	4 JSPF	16 holes
12-01-05	4142-4156'	4 JSPF	56 holes
12-01-05	3924-3938'	4 JSPF	56 holes
12-13-10	3826-3828'	3 JSPF	30 holes

**NEWFIELD****Federal 15-13-9-16**

695' FSL &amp; 1972' FEL

SW/SE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32648; Lease #UTU-64805



## Federal 16-13-9-16

Spud Date: 8-29-05  
Put on Production: 10-26-05

GL: 5528' KB: 5539'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.57')  
DEPTH LANDED: 313.42' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts. (5871.95')  
DEPTH LANDED: 5885.2' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 500'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 155 jts (5049.63')  
TUBING ANCHOR: 5049.63'  
NO. OF JOINTS: 1 jts (32.50')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5084.93'  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5147.85'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2", 4", 8" x 3/4" pony subs, 87-3/4" plain rods, 99-3/4" scraped rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2 1/2" x 1 1/2" x 16" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED: 4.5 SPM

## Wellbore Diagram

Cement top @ 500'

SN 5084.93'

Anchor @ 5049.63'

5074-5083'

5147.85' EOT

PBTD @ 5839'

SHOE @ 5885'

TD @ 5900'


Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

10-24-05	5074-5083'	<b>Frac LODC sands as follows:</b> 55032# 20/40 sand in 529 bbls Lightning 17 frac fluid. Treated @ avg press of 2738 psi w/avg rate of 25.1 BPM. ISIP 3200 psi. Calc flush: 5072 gal. Actual flush: 4830 gal.
10-24-05	4946-4965'	<b>Frac A3 sands as follows:</b> 100665# 20/40 sand in 716 bbls Lightning 17 frac fluid. Treated @ avg press of 1750 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc flush: 4944 gal. Actual flush: 4654 gal.
10-24-05	3984-4001'	<b>Frac GB6 sands as follows:</b> 93364# 20/40 sand in 1820 bbls Lightning 17 frac fluid. Treated @ avg press of 1598 psi w/avg rate of 25.2 BPM. ISIP 1820 psi. Calc flush: 3982 gal. Actual flush: 3906 gal.
7-30-07		Pump change. Updated rod & tubing detail.

PERFORATION RECORD

10-18-05	5074-5083'	4 JSPF	36 holes
10-24-05	4946-4965'	4 JSPF	76 holes
10-24-05	3984-4001'	4 JSPF	68 holes

<b>NEWFIELD</b> 
<b>Federal 16-13-9-16</b> 656' FSL & 661' FEL SE/SE Section 13-T9S-R16E Duchesne Co, Utah API #43-013-32647 ; Lease #UTU-64805



## FEDERAL 2-24-9-16

Spud Date: 10/11/07  
 Put on Production: 10/16/07  
 GL: 5559' KB: 5571'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.63')  
 DEPTH LANDED: 322.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (5720.99')  
 DEPTH LANDED: 5734.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 40'

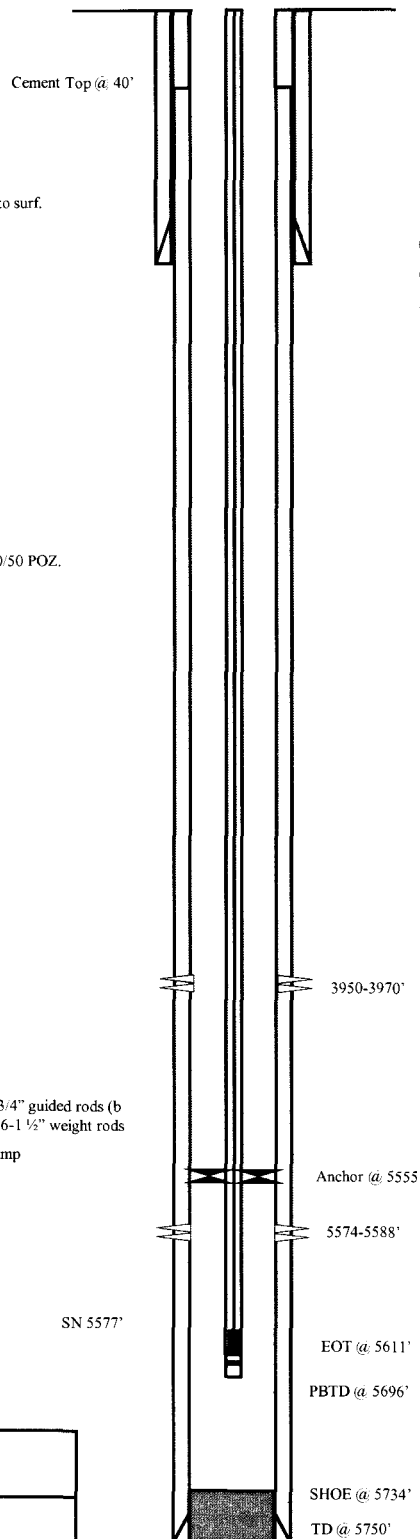
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5543.7')  
 TUBING ANCHOR: 5555.65' KB  
 NO. OF JOINTS: 1 jts (30.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5577.4' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 2 7/8" NC (.45')  
 TOTAL STRING LENGTH: EOT @ 5611' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-8", 2-12", 1-2", 2-6" x 3/4" pony rods, 100-3/4" guided rods (b grd), 76-3/4" plain rods (b grd), 20-3/4" guided rods (a grd), 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16" RHAC rod pump  
 STROKE LENGTH: 76"  
 PUMP SPEED: 4.5 SPM:

## Wellbore Diagram



Initial Production: BOPD,  
 MCFD, BWPD

FRAC JOB

11/09/07 5574-5588' **Frac CP5 sands as follows:**  
 75968# 20/40 sand in 619 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1986 psi  
 w/avg rate of 23.2 BPM. ISIP 2173 psi. Calc  
 flush: 5572 gal. Actual flush: 4998 gal.

11/09/07 3950-3970' **Frac GB6 sands as follows:**  
 151571# 20/40 sand in 1011 bbl Lightning 17  
 frac fluid. Treated @ avg press of 1593 psi  
 w/avg rate of 23.1 BPM. ISIP 1775 psi. Calc  
 flush: 3948 gal. Actual flush: 3864 gal.

05/29/08 Pump change. Updated rod and tubing detail  
 6/11/08 pump change. Updated rod and tubing detail  
 2/4/2011 Pump Change. Update rod and tubing details.

PERFORATION RECORD

11/09/07 5574-5588' 4 JSPF 56 holes  
 11/09/07 3950-3970' 4 JSPF 80 holes



FEDERAL 2-24-9-16

595'FNL &amp; 2010' FEL

NW/NE Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33083; Lease # UTU-15855



## Federal 3-24-9-16

Spud Date: 10-13-07

Put on Production: 11-21-07

GL: 5605' KB: 5617'

Initial Production: 56.4 BOPD,

25.0 MCFD, 34.3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311')

DEPTH LANDED: 320'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 148 jts. (5741.47') Includes Shoe Jt. (39.25')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5754.72'

CEMENT DATA: 300 sk Prem. Lite II mixed &amp; 400 sxs 50/50 POZ.

CEMENT TOP AT: 105'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 125 jts (3927.1')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3939.1' KB

ON/OFF TOOL AT: 3940.2'

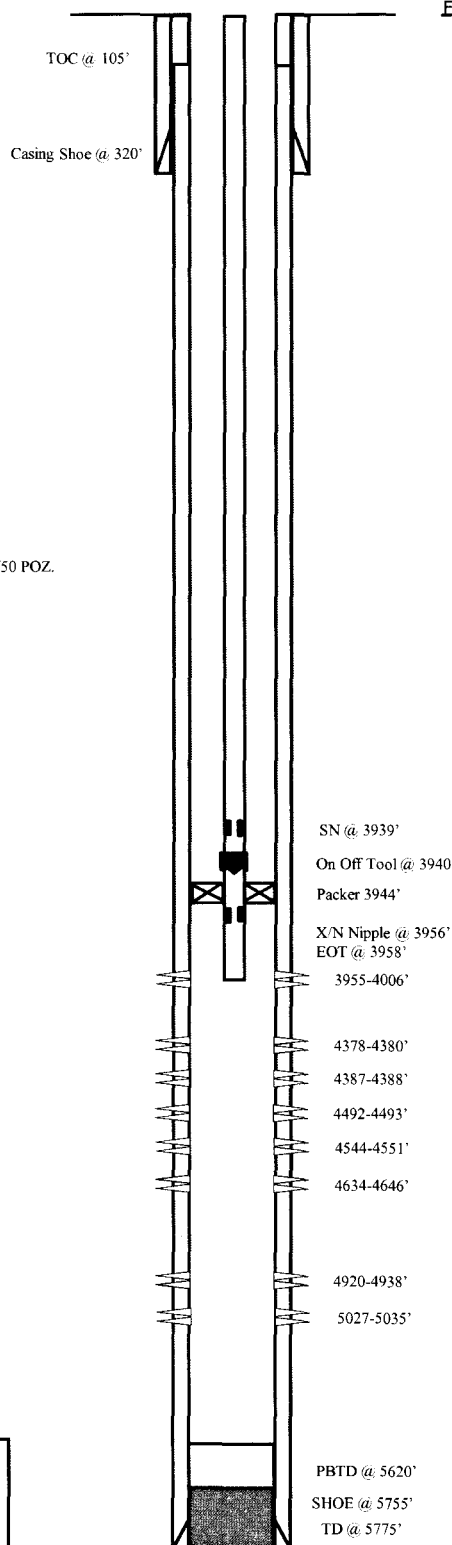
ARROW #1 PACKER CE AT: 3944.09'

XO 2-3/8 x 2-7/8 J-55 AT: 3948.9'

TBG PUP 2-3/8 J-55 AT: 3949.9'

X/N NIPPLE AT: 3956.1'

TOTAL STRING LENGTH: EOT @ 3958'

Injection Wellbore  
DiagramFRAC JOB

11-7-07	5027-5035'	<b>Frac LODC sands as follows:</b> 15,380# 20/40 sand in 274 bbls Lightning 17 fluid. Treat at 3260 psi @ 22.5 BPM. ISIP 2956 psi. Calc flush: 5025 gal. Actual flush: 4519 gal.
11-16-07	4920-4938'	<b>Frac A1 sands as follows:</b> 90,793# 20/40 sand in 690 bbls Lightning 17 fluid. Treat at 2002 psi @ 24.75 BPM. ISIP 2240 psi. Calc flush: 4918 gal. Actual flush: 4414 gal.
11-16-07	4634-4646'	<b>Frac C sands as follows:</b> Frac with 49,940 # 20/40 sand in 449 bbls Lightning 17 fluid. Treat at 1978 psi @ 24.8 BPM. ISIP 1897 psi. Calc flush: 4632 gal. Actual flush: 4129 gal.
11-16-07	4544-5441'	<b>Frac D2 sand as follows:</b> Frac with 14,138# 20/40 sand in 261 bbls Lightning 17 fluid. Treat at 2280psi @ 24.9 BPM. ISIP 1934 psi. Calc flush: 4542 gal. Actual flush: 3952 gal.
11-16-07	3995-4006'	<b>Frac GB-6 sands as follows:</b> Frac with 38,509# 20/40 sand in 377 bbls Lightning 17 fluid. Treat at 1729 psi @ 24.8 BPM. ISIP 1934 psi. Calc flush: 3993 gal. Actual flush: 4032 gal.
7/6/09		<b>Major Workover.</b> Updated rod & tubing detail.
5/4/2010		<b>Tubing leak.</b> Updated rod and tubing detail.
6/9/2011		<b>Tubing leak.</b> Updated rod & tubing detail.
10/08/12	4378-4493'	<b>Frac D1 &amp; DS1 sands as follows:</b> Frac with 29832# 20/40 sand in 362 bbls Lightning 17 fluid.
10/09/12		<b>Convert to Injection Well</b>
10/12/12		<b>Conversion MIT Finalized</b> – update tbg detail

PERFORATION RECORD

3995-4006'	4 JSPF	44 holes
4544-4551'	4 JSPF	28 holes
4634-4646'	4 JSPF	48 holes
4920-4938'	4 JSPF	72 holes
5027-5035'	4 JSPF	32 holes
10/04/12	4492-4493'	3 JSPF 3 holes
10/04/12	4387-4388'	3 JSPF 3 holes
10/04/12	4378-4380'	3 JSPF 6 holes

NEWFIELD



**Federal 3-24-9-16**  
722' FNL & 2063' FWL  
NENW Section 24-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33084; Lease #UTU-15855



## FEDERAL 4-24-9-16

Spud Date: 12/12/07  
Put on Production: 02/26/08  
GL: 5613' KB: 5625'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (304.16')  
DEPTH LANDED: 316.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 134 jts. (5745.08')  
DEPTH LANDED: 5758.33' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem, Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP: 84'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169 jts (5298.24')  
TUBING ANCHOR: 5310.24' KB  
NO. OF JOINTS: 2 jts (62.78')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5375.82' KB  
NO. OF JOINTS: 2 jts (62.76')  
TOTAL STRING LENGTH: EOT @ 5440.13' KB

SUCKER RODS

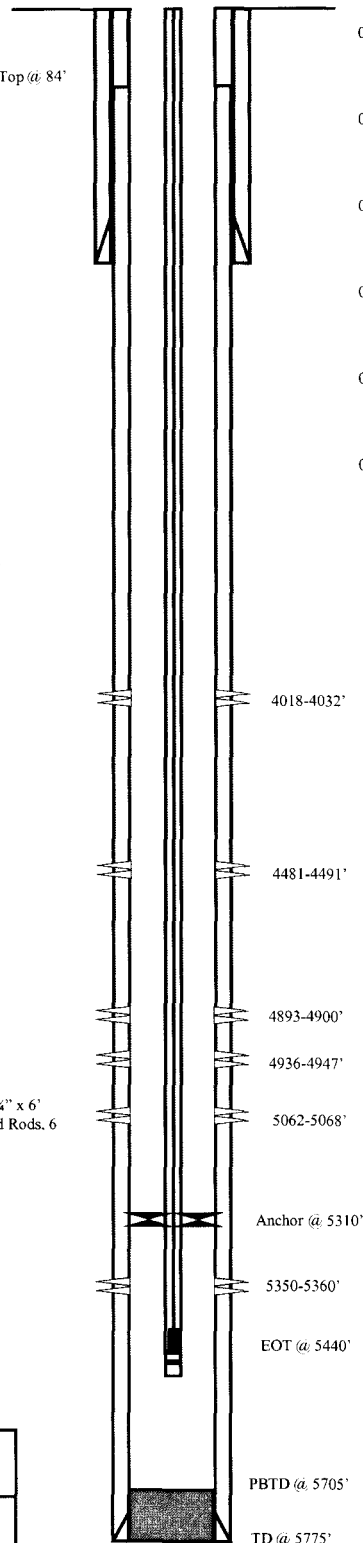
POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 1 - 3/4" x 4' Pony Rod, 1 - 3/4" x 6' Pony Rod, 99 - 3/4" Guided Rods, 89 - 3/4" Plain Rods, 20 - 3/4" Guided Rods, 6 - 1 1/2" weight bars  
PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12 x 19 1/2" RHAC  
STROKE LENGTH: 102"  
PUMP SPEED: 5 SPM

FRAC JOB

02/21/08	5350-5360'	<b>Frac CPI sands as follows:</b> 19538# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2319 psi w/avg rate of 23.0 BPM. ISIP 2169 psi.
02/21/08	5062-5068'	<b>Frac LODC sands as follows:</b> 14448# 20/40 sand in 267 bbl Lightning 17 frac fluid. Treated @ avg press of 2913 psi w/avg rate of 23.1 BPM. ISIP 3354 psi.
02/21/08	4936-4947'	<b>Frac A3, sands as follows:</b> 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi.
02/21/08	4893-4900'	<b>Frac A1 sands as follows:</b> 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi.
02/21/08	4481-4491'	<b>Frac D1 sands as follows:</b> 54904# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2070 psi w/avg rate of 23.1 BPM. ISIP 2153 psi.
02/21/08	4018-4032'	<b>Frac GB6 sands as follows:</b> 74458# 20/40 sand in 594 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 23.1 BPM. ISIP 1788 psi.

PERFORATION RECORD

02/21/08	5350-5360'	4 JSPF	40 holes
02/21/08	5062-5068'	4 JSPF	24 holes
02/21/08	4936-4947'	4 JSPF	44 holes
02/21/08	4893-4900'	4 JSPF	28 holes
02/23/08	4481-4491'	4 JSPF	40 holes
02/23/08	4018-4032'	4 JSPF	56 holes



NEWFIELD

FEDERAL 4-24-9-16

462' FNL &amp; 679' FWL

NW/NW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33004; Lease # UTU-15855



## Jonah Federal 9-14-9-16

Spud Date: 05/13/05  
 Put on Production: 06/15/05  
 GL: 5571' KB: 5583'

Initial Production: 46 BOPD,  
 111 MCFPD, 45 BWPD

**SURFACE CASING**

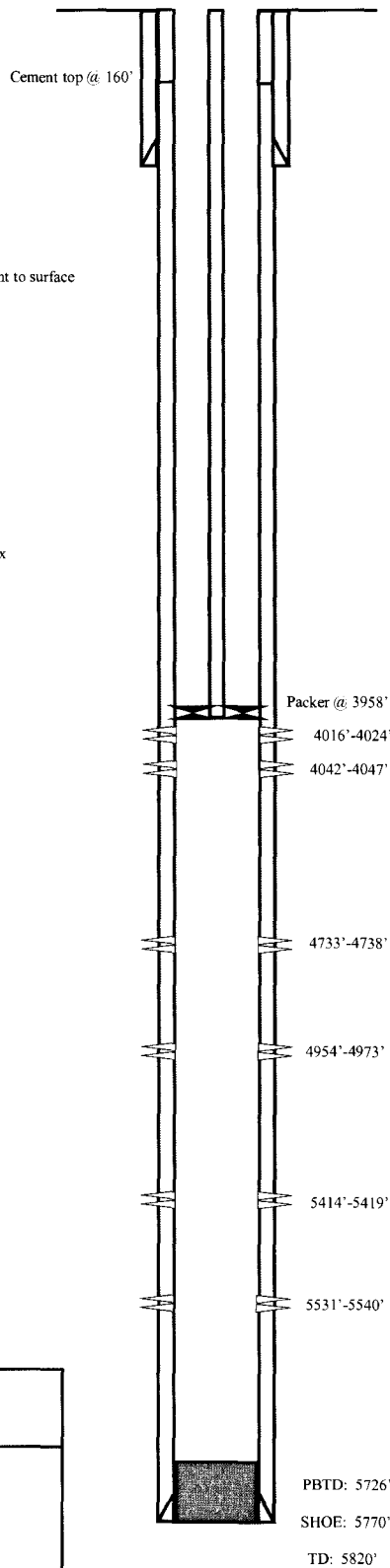
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.57')  
 DEPTH LANDED: 314.57'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sks Class "G" cement, est. 6 bbls cement to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5772.05')  
 DEPTH LANDED: 5770.05' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sks Prem Lite II, 400 sks 50-50 Poz mix  
 CEMENT TOP @ 160'

**TUBING**

SIZE/GRADE/WT.: 2 7/8" / 6.5# / J-55  
 NO. OF JOINTS: 121 jts. (3937.79')  
 NO. OF JOINTS: 1 jt. (32.55')  
 SN LANDED AT: 1.10' (3954')  
 NO. OF JOINTS: 2 jts. (65.66')  
 TOTAL STRING LENGTH EOT: 3958'

**Injection Wellbore  
Diagram****FRAC JOB**

06/07/05	5414'-5540'	<b>Frac CP4 and CP2 sand as follows:</b> 40,739#'s of 20/40 sand in 416 bbls lightning 17 frac fluid. Treated w/avg press of 1595 psi, w/avg rate of 24.9 bpm. ISIP 1780 psi. Calc flush: 5412 gal. Actual flush: 5166 gal.
06/07/05	4954'-4973'	<b>Frac A3 sand as follows:</b> 70,185#'s of 20/40 sand in 538 bbls lightning 17 frac fluid. Treated w/avg press of 1763 psi. ISIP 2170 psi. Calc flush: 4952 gal. Actual flush: 4704 gal.
06/08/05	4733'-4738'	<b>Frac B1 sand as follows:</b> 20,210#'s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated w/avg press of 2085 psi, w/avg rate of 24.8 bpm. ISIP 2050 psi. Calc flush: 4731 gal. Actual flush: 4494 gal.
06/08/05	4016'-4047'	<b>Frac GB6 sand as follows:</b> 38,754#'s of 20/40 sand in 347 bbls lightning 17 frac fluid. Treated w/avg press of 1704 psi w/avg rate of 24.7 bpm. ISIP 1840 psi. Calc flush: 4014 gal. Actual flush: 3948 gal.
10-23-06		Well Converted to Injection Well.
11-10-06		MIT to complete Conversion.

**PERFORATION RECORD**

06/01/05	5531'-5540'	4 JSPF	36 holes
06/01/05	5414'-5419'	4 JSPF	20 holes
06/07/05	4954'-4973'	4 JSPF	76 holes
06/07/05	4733'-4738'	4 JSPF	20 holes
06/08/05	4042'-4047'	4 JSPF	20 holes
06/08/05	4016'-4024'	4 JSPF	32 holes

**NEWFIELD****Jonah Federal 9-14-9-16**

1785' FSL &amp; 508' FEL

NE/SE Section 14-T9S-R16E

Duchesne Co, Utah

API 43-013-32661; Lease UTU-096550



## NEWFIELD



## Schematic

43-013-52238

Well Name: GMBU R-13-9-16

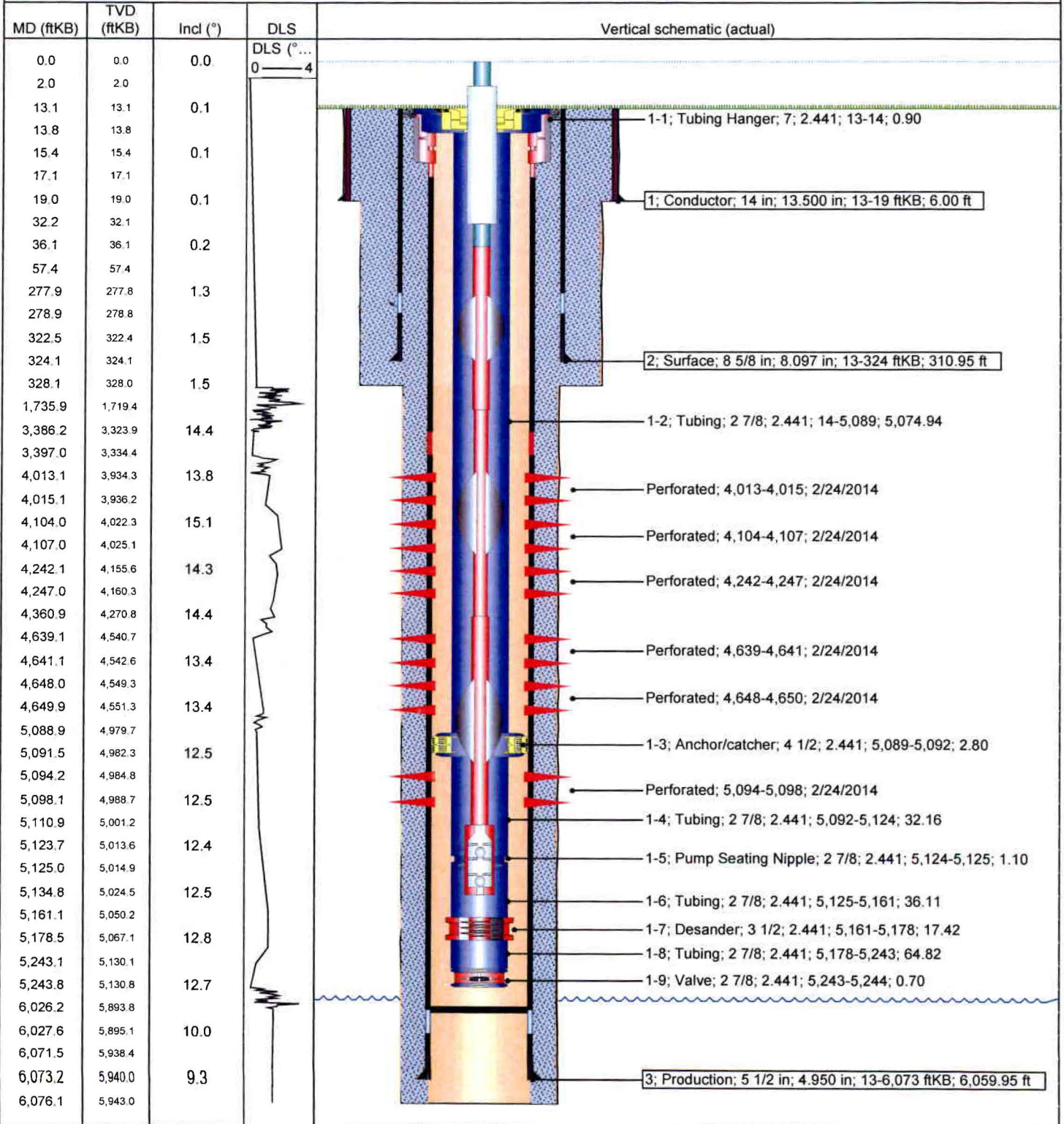
Surface Legal Location NESW 1873 FSL 2093 FWL Sec 13 T9S R16E Mer SLB			API/UWI 43013522380000	Well RC 500346534	Lease UTU64805	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 1/15/2014	Rig Release Date 2/7/2014	On Production Date 3/4/2014	Original KB Elevation (ft) 5,559	Ground Elevation (ft) 5,546	Total Depth All (TVD) (ftKB) Original Hole - 5,942.8	PBTD (All) (ftKB) Original Hole - 6,026.1		

## Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/24/2014	Job End Date 2/28/2014
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TD: 6,076.0

Slant - Original Hole, 3/27/2014 7:02:08 AM





## NEWFIELD



## Schematic

43-013-52239

Well Name: GMBU N-13-9-16

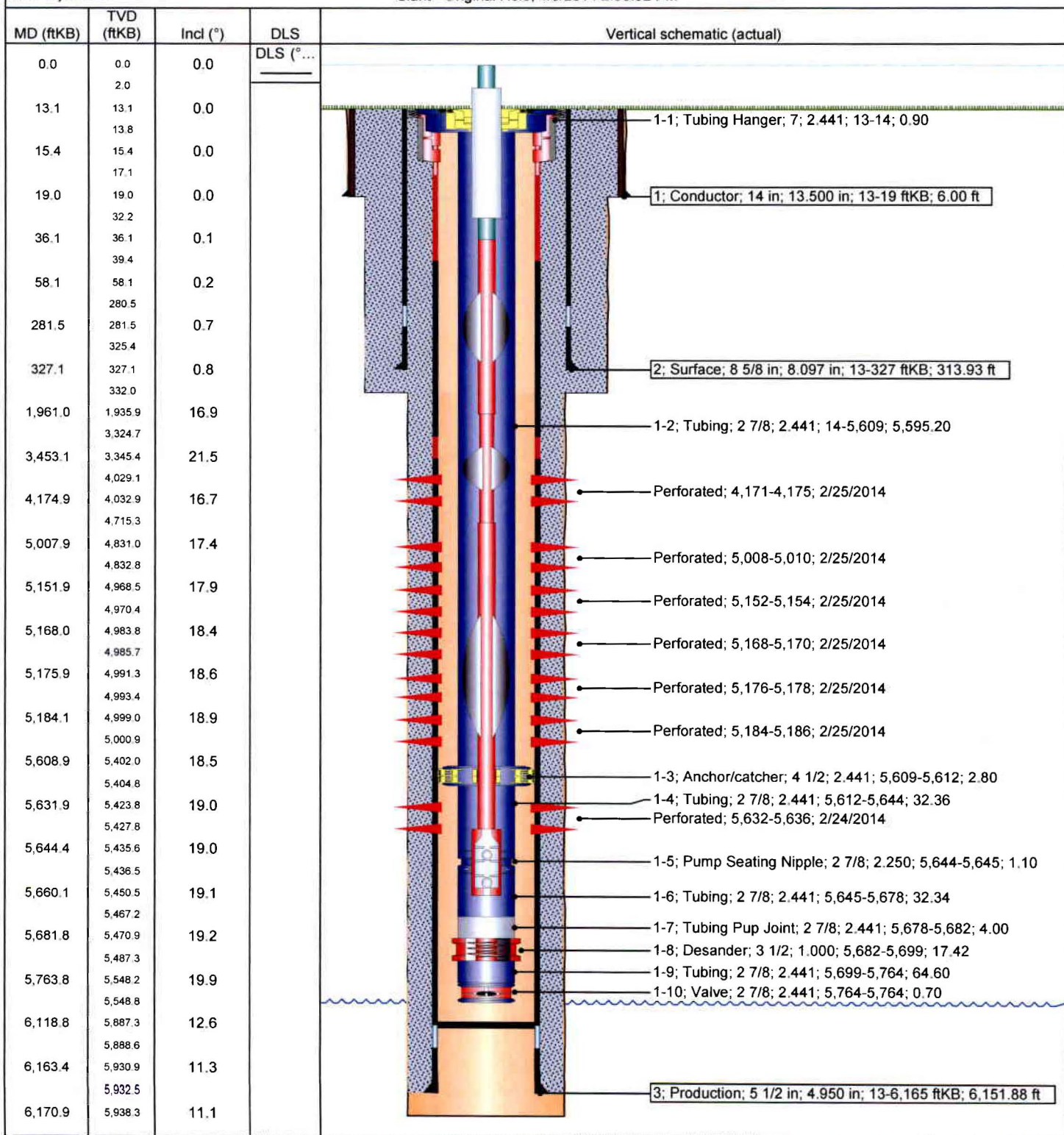
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
NESW 1895 FSL 2094 FWL Sec 13 T9S R16E Mer SLB		43013522390000	500365887	UTU64805	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 6,118.7
1/16/2014	2/11/2014		5,559	5,546	Original Hole - 5,938.4		

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/24/2014	3/4/2014

TD: 6,171.0

Slant - Original Hole, 4/9/2014 2:55:52 PM





## NEWFIELD



## Schematic

Well Name: GMBU D-24-9-16

43-013-52283

Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
SESW 769 FSL 1923 FWL Sec 13 T9S R16E Mer SLB		43013522830000	500360792	UTU64805	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,970.1
1/20/2014	2/3/2014	2/26/2014	5,595	5,582	Original Hole - 5,876.2	Original Hole - 5,970.1	

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/14/2014	2/26/2014

TD: 6,021.0

Slant - Original Hole, 4/9/2014 2:57:03 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	DLS (°...	Vertical schematic (actual)
13.1	13.1	0.0			1-1; Tubing Hanger; 7; 2.441; 13-14; 0.90
15.1	15.1	0.0			1; Conductor; 14 in; 13.500 in; 13-18 ftKB; 5.00 ft
18.0	18.0	0.0			2; Surface; 8 5/8 in; 8.097 in; 13-323 ftKB; 310.38 ft
57.4	57.4	0.1			1-2; Tubing; 2 7/8; 2.441; 14-5,456; 5,442.21
277.9	277.9	0.6			Perforated; 3,995-3,996; 2/18/2014
323.5	323.5	0.7			Perforated; 4,004-4,005; 2/18/2014
1,940.9	1,917.0	14.5			Perforated; 4,010-4,011; 2/18/2014
3,356.3	3,284.4	14.0			Perforated; 4,020-4,021; 2/18/2014
3,996.1	3,906.1	13.9			Perforated; 4,029-4,030; 2/18/2014
4,004.9	3,914.7	14.1			Perforated; 4,090-4,091; 2/18/2014
4,011.2	3,920.7	14.2			Perforated; 4,109-4,110; 2/18/2014
4,021.0	3,930.2	14.3			Perforated; 4,117-4,118; 2/18/2014
4,029.9	3,938.8	14.4			Perforated; 4,122-4,123; 2/18/2014
4,090.9	3,997.9	14.6			Perforated; 4,860-4,861; 2/18/2014
4,109.9	4,016.3	14.5			Perforated; 4,868-4,869; 2/18/2014
4,118.1	4,024.3	14.4			Perforated; 4,873-4,874; 2/18/2014
4,123.0	4,029.0	14.3			Perforated; 4,880-4,881; 2/18/2014
4,859.9	4,744.5	13.3			Perforated; 5,007-5,008; 2/18/2014
4,868.1	4,752.5	13.4			Perforated; 5,013-5,014; 2/18/2014
4,873.0	4,757.3	13.4			Perforated; 5,021-5,022; 2/18/2014
4,879.9	4,764.0	13.4			Perforated; 5,056-5,057; 2/18/2014
5,006.9	4,887.5	13.5			Perforated; 5,067-5,068; 2/18/2014
5,013.1	4,893.5	13.6			Perforated; 5,076-5,077; 2/18/2014
5,021.0	4,901.2	13.6			Perforated; 5,083-5,084; 2/18/2014
5,056.1	4,935.3	13.9			1-3; Anchor/catcher; 4.70; 2.441; 5,456-5,459; 2.80
5,066.9	4,945.8	14.0			Perforated; 5,474-5,476; 2/14/2014
5,076.1	4,954.7	14.0			1-4; Tubing; 2 7/8; 2.441; 5,459-5,491; 32.30
5,083.0	4,961.4	14.0			Perforated; 5,480-5,483; 2/14/2014
5,456.0	5,325.2	12.6			1-5; Pump Seating Nipple; 2 7/8; 2.380; 5,491-5,492; 1.10
5,465.9	5,334.8	12.6			1-6; Tubing; 2 7/8; 2.441; 5,492-5,556; 64.03
5,476.0	5,344.7	12.9			1-7; Notched collar; 2 7/8; 2.441; 5,556-5,557; 0.50
5,482.9	5,351.4	13.0			3; Production; 5 1/2 in; 4.950 in; 13-6,017 ftKB; 6,003.88 ft
5,491.1	5,359.4	13.3			
5,556.4	5,422.8	14.1			
5,970.1	5,826.0	9.5			
6,015.4	5,870.7	8.3			
6,021.0	5,876.2	8.2			





## Schematic

43-013-52284

Well Name: GMBU C-24-9-16

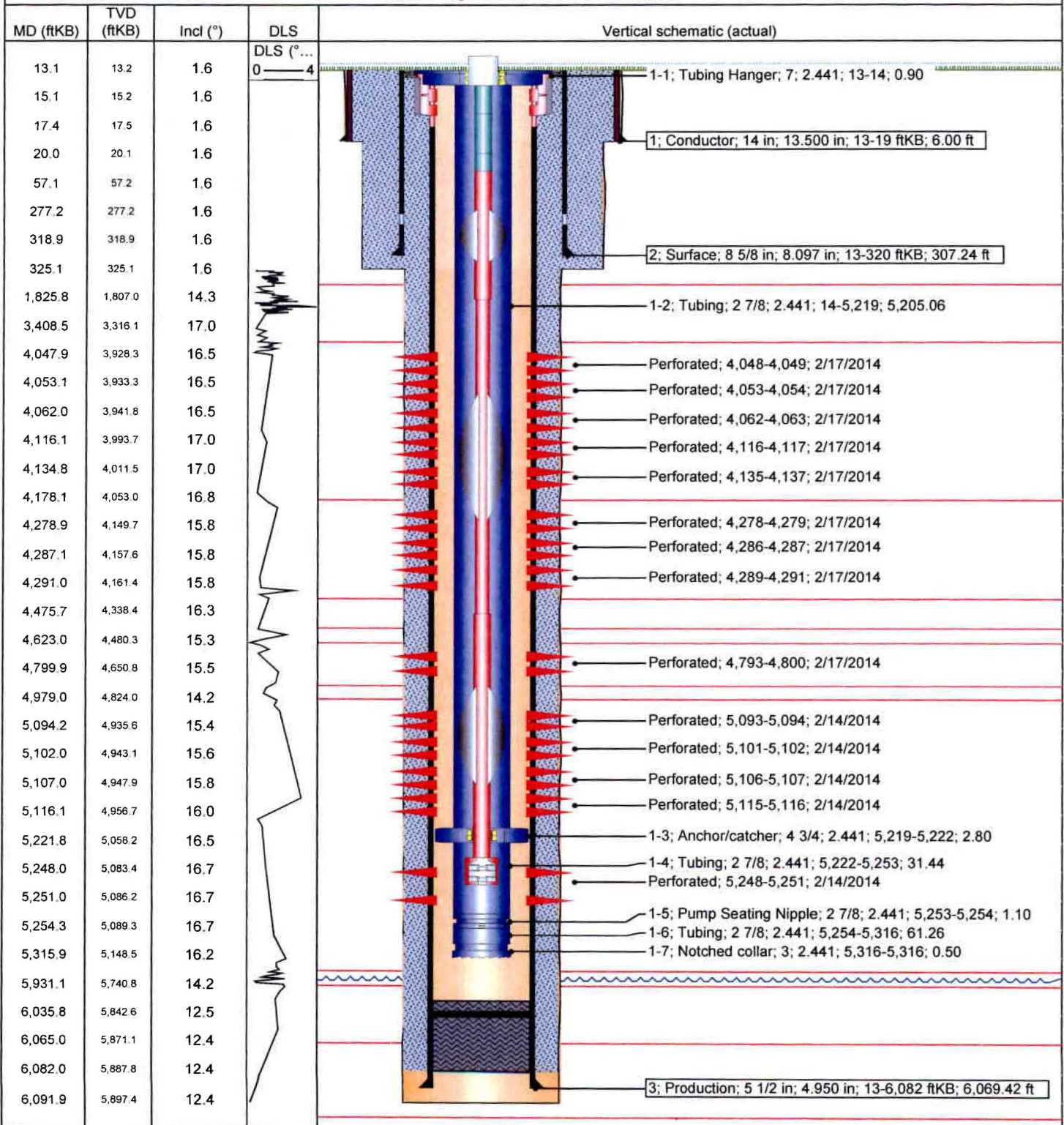
Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SESW 787 FSL 1935 FWL Sec 13 T9S R16E Mer SLB	43013522840000	500360790	UTU64805	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
1/17/2014	1/30/2014	2/26/2014	5,595	5,582	Original Hole - 5,897.6	Original Hole - 6,035.8

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/14/2014	2/21/2014

TD: 6,092.0

Slant - Original Hole, 3/27/2014 7:00:34 AM





## NEWFIELD



## Schematic

43-013-52285

Well Name: GMBU K-14-9-16

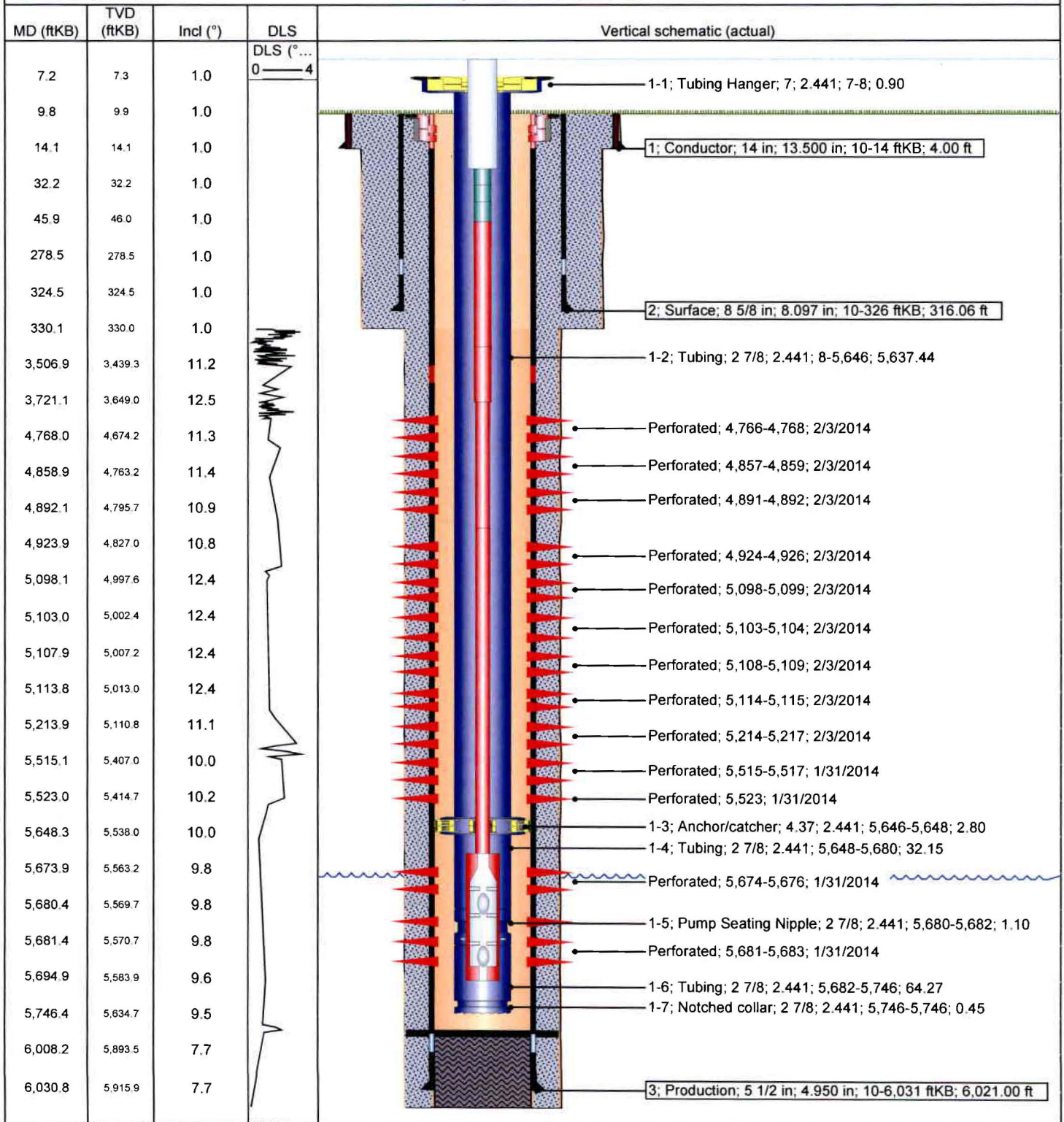
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
NWSW 2034 FSL 667 FWL Sec 13 T9S R16E Mer SLB		43013522850000	500360788	UTU64805	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 6,006.6
12/27/2013	1/12/2014		5,564	5,554	Original Hole - 5,928.9		

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	1/31/2014	

TD: 6,044.0

Slant - Original Hole, 4/9/2014 2:58:24 PM





## NEWFIELD



## Schematic

43-013-52286

Well Name: GMBU Q-13-9-16

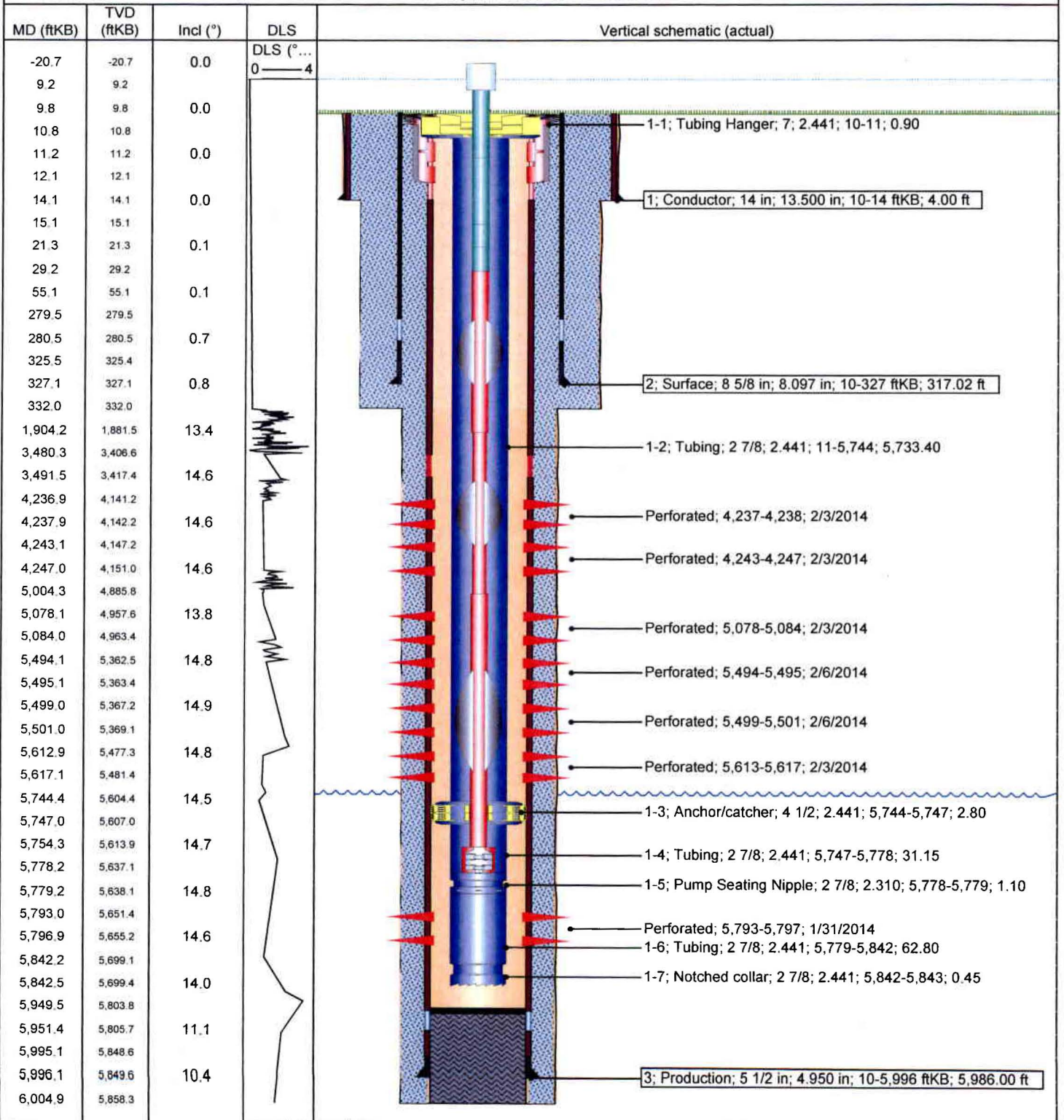
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
NWSW 2054 FSL 675 FWL Sec 13 T9S R16E Mer SLB		43013522860000	500346522	UTU64805	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,949.6
12/28/2013	1/16/2014		5,564	5,554	Original Hole - 5,858.3		

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	1/31/2014	2/10/2014

TD: 6,005.0

Slant - Original Hole, 3/7/2014 7:26:35 AM





Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FEDERAL 14-13-9-16**

Sample Point:

Sample Date: **9/3/2013**Sample ID: **WA-252727**Sales Rep: **Michael McBride**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	9/11/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	7451.00	Chloride (Cl):	12000.00
System Pressure 1 (psig):	60	Potassium (K):	101.00	Sulfate (SO4):	118.00
System Temperature 2 (°F):	210	Magnesium (Mg):	7.00	Bicarbonate (HCO3):	1586.00
System Pressure 2 (psig):	60	Calcium (Ca):	16.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.012	Strontium (Sr):	7.00	Acetic Acid (CH3COO)	
pH:	9.50	Barium (Ba):	4.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	21353.43	Iron (Fe):	30.00	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.50	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.03	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	15.00	Manganese (Mn):	0.80	Silica (SiO2):	32.10

## Notes:

B=26 Al=0 Li=2

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.97	13.85	0.40	1.42	5.19	13.56	4.13	21.82	0.00	0.00	0.00	0.00	0.00	0.00	10.25	0.26
200.00	60.00	1.93	13.83	0.42	1.45	5.20	13.56	4.10	21.82	0.00	0.00	0.00	0.00	0.00	0.00	10.35	0.26
190.00	60.00	1.90	13.82	0.44	1.50	5.21	13.56	4.06	21.82	0.00	0.00	0.00	0.00	0.00	0.00	10.46	0.26
180.00	60.00	1.86	13.80	0.46	1.55	5.22	13.56	4.03	21.82	0.00	0.00	0.00	0.00	0.00	0.00	10.58	0.26
170.00	60.00	1.83	13.79	0.49	1.61	5.24	13.56	3.99	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.70	0.26
160.00	60.00	1.80	13.77	0.53	1.66	5.26	13.56	3.95	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.82	0.26
150.00	60.00	1.77	13.75	0.57	1.73	5.29	13.56	3.91	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.96	0.26
140.00	60.00	1.74	13.74	0.61	1.79	5.32	13.56	3.86	21.81	0.00	0.00	0.00	0.00	0.00	0.00	11.10	0.26
130.00	60.00	1.71	13.72	0.66	1.86	5.37	13.56	3.82	21.81	0.00	0.00	0.00	0.00	0.00	0.00	11.24	0.26
120.00	60.00	1.68	13.70	0.72	1.92	5.41	13.56	3.77	21.81	0.00	0.00	0.00	0.00	0.00	0.00	11.40	0.26

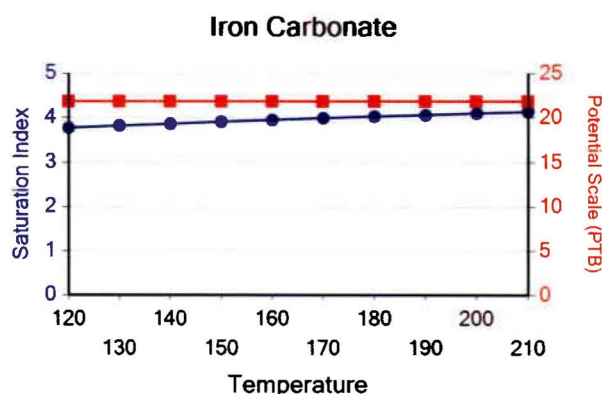
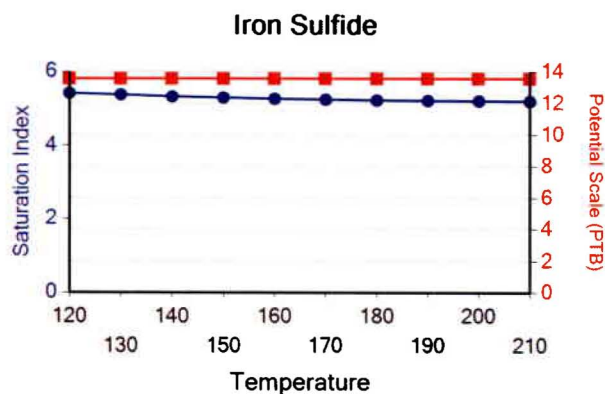
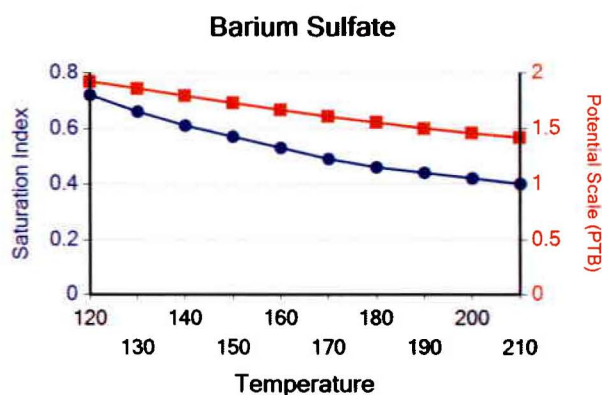
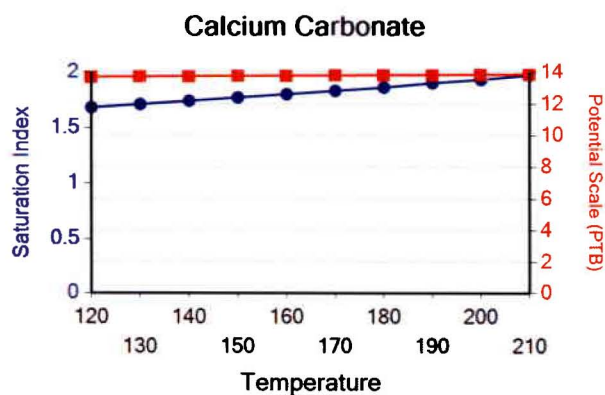


Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> •0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.34	10.09	0.01	10.36	13.99	5.72	20.21	18.40	23.33
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.39	0.34	10.26	0.01	10.07	13.98	5.57	20.20	18.24	23.33
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.33	10.44	0.01	9.78	13.98	5.41	20.19	18.07	23.33
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.33	10.63	0.01	9.47	13.98	5.25	20.16	17.90	23.33
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.33	10.83	0.01	9.16	13.98	5.09	20.14	17.72	23.33
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	0.33	11.04	0.01	8.84	13.97	4.92	20.10	17.54	23.33
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.33	11.26	0.01	8.51	13.97	4.75	20.06	17.36	23.33
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.33	11.49	0.01	8.18	13.97	4.58	20.00	17.17	23.33
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.33	11.73	0.01	7.84	13.96	4.41	19.93	16.99	23.33
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.33	11.99	0.01	7.50	13.95	4.24	19.85	16.80	23.33

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

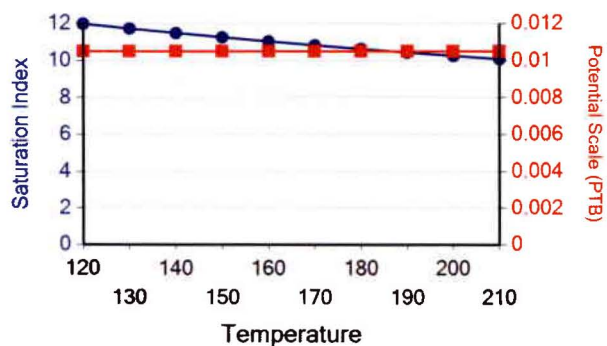
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate



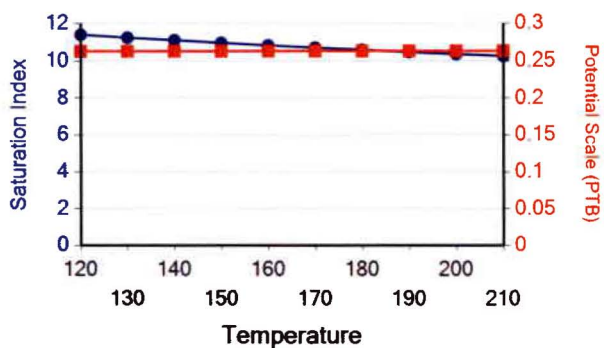


Water Analysis Report

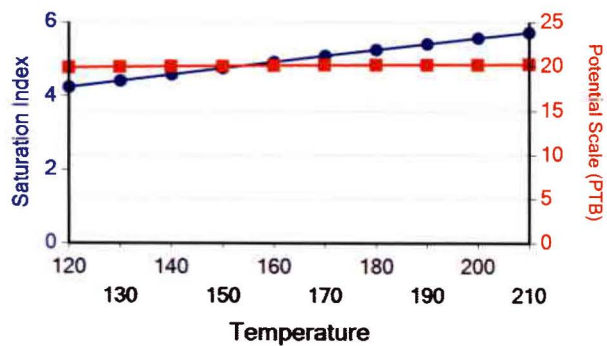
Lead Sulfide



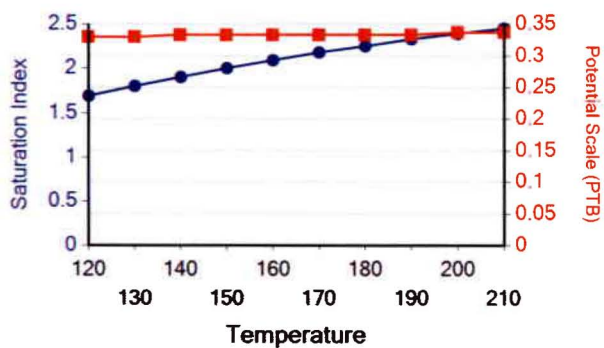
Zinc Sulfide



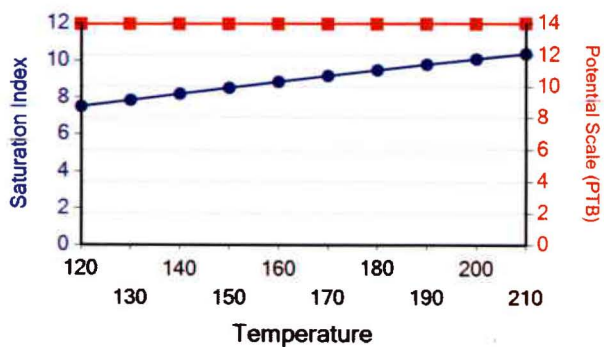
Ca Mg Silicate



Zinc Carbonate

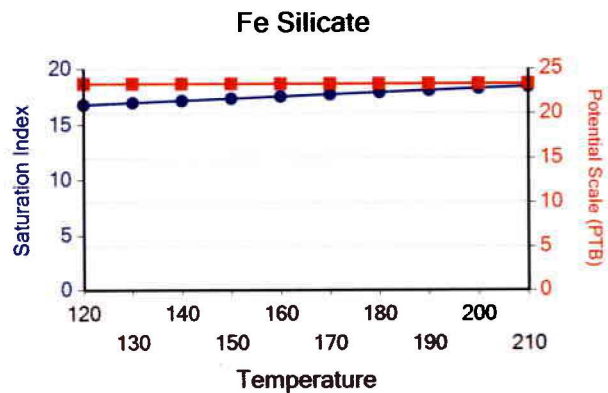


Mg Silicate





Water Analysis Report





## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **BELUGA INJ FACILITY**  
 Sample Point: **Commingled After**  
 Sample Date: **11/4/2013**  
 Sample ID: **WA-257478**

Sales Rep: **Jacob Bird**  
 Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/11/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	300	Sodium (Na):	2661.00	Chloride (Cl):	5000.00
System Pressure 1 (psig):	1300	Potassium (K):	34.00	Sulfate (SO4):	266.00
System Temperature 2 (°F):	70	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1654.00
System Pressure 2 (psig):	15	Calcium (Ca):	46.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.004	Strontium (Sr):	4.90	Acetic Acid (CH3COO)	
pH:	8.30	Barium (Ba):	3.90	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	9712.71	Iron (Fe):	1.23	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.33	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	224.00	Lead (Pb):	0.08	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	9.00	Manganese (Mn):	0.36	Silica (SiO2):	16.91

## Notes:

B=4.9 Al=.07 Li=.58

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.36	34.40	1.80	2.29	3.26	0.68	1.61	0.87	0.00	0.00	0.00	0.00	0.00	0.00	10.92	0.17
95.00	157.00	1.40	34.75	1.56	2.26	3.05	0.68	1.75	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.17
121.00	300.00	1.48	35.82	1.38	2.23	2.93	0.68	1.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.17
146.00	443.00	1.57	36.86	1.25	2.19	2.87	0.68	2.04	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.17
172.00	585.00	1.68	37.77	1.16	2.16	2.86	0.68	2.19	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.17
197.00	728.00	1.81	38.51	1.10	2.13	2.88	0.68	2.32	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.16	0.17
223.00	871.00	1.94	39.07	1.06	2.12	2.94	0.68	2.45	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.97	0.17
248.00	1014.00	2.09	39.48	1.05	2.12	3.03	0.68	2.56	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.17
274.00	1157.00	2.24	39.75	1.06	2.12	3.13	0.68	2.67	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.17
300.00	1300.00	2.39	39.94	1.08	2.13	3.25	0.68	2.76	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.17



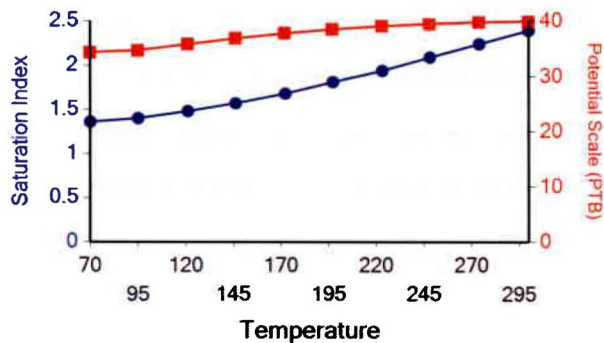
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> •0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.09	12.71	0.03	0.28	1.78	0.00	0.00	5.30	0.94
95.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.16	11.88	0.03	1.28	6.70	0.20	1.31	5.82	0.95
121.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.20	11.19	0.03	2.42	11.92	0.83	4.31	6.53	0.95
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.21	10.60	0.03	3.60	16.34	1.49	6.86	7.30	0.95
172.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.21	10.11	0.03	4.78	19.10	2.16	8.69	8.11	0.95
197.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.22	9.69	0.03	5.93	20.16	2.83	9.75	8.94	0.96
223.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.22	9.33	0.03	7.06	20.43	3.49	10.27	9.76	0.96
248.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.22	9.03	0.03	8.12	20.49	4.12	10.50	10.55	0.96
274.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.22	8.76	0.03	9.12	20.50	4.71	10.60	11.29	0.96
300.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.22	8.53	0.03	10.04	20.50	5.25	10.64	11.98	0.96

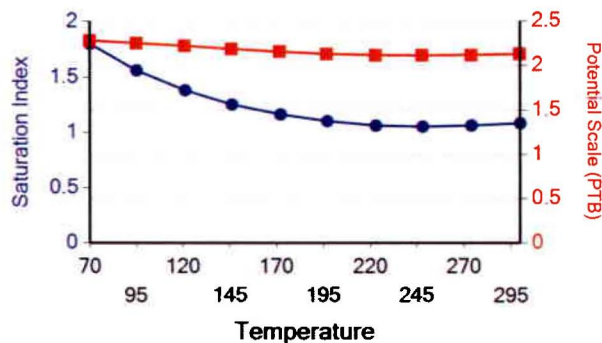
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

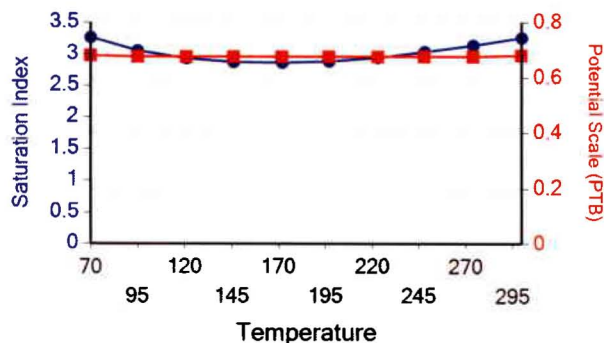
Calcium Carbonate



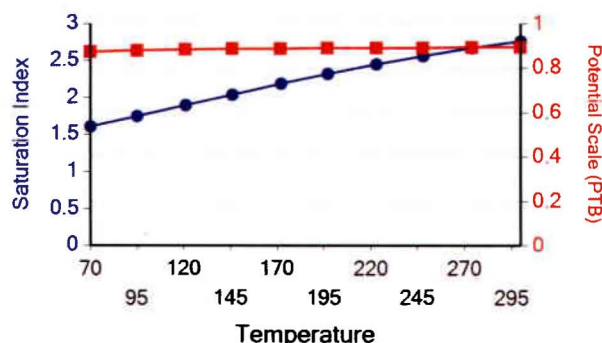
Barium Sulfate



Iron Sulfide



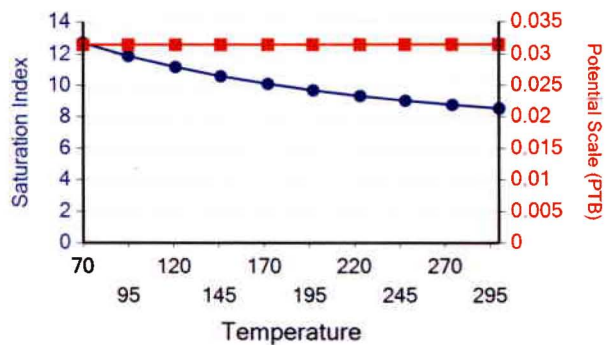
Iron Carbonate



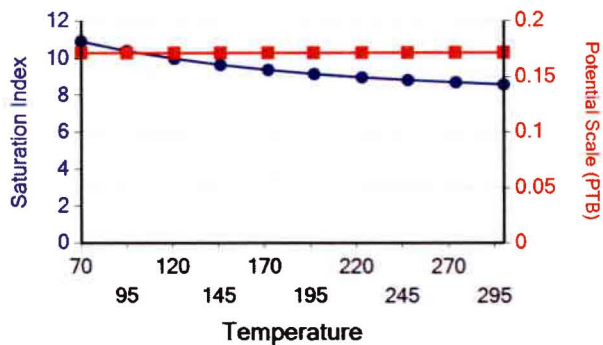


Water Analysis Report

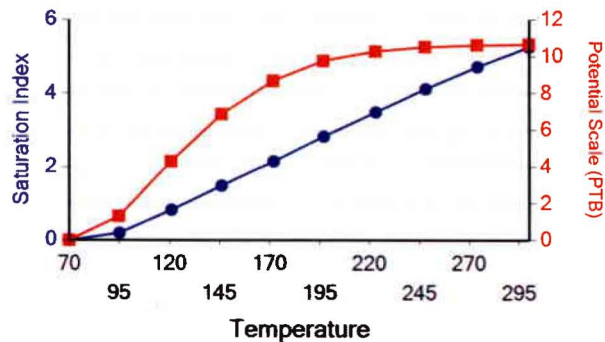
Lead Sulfide



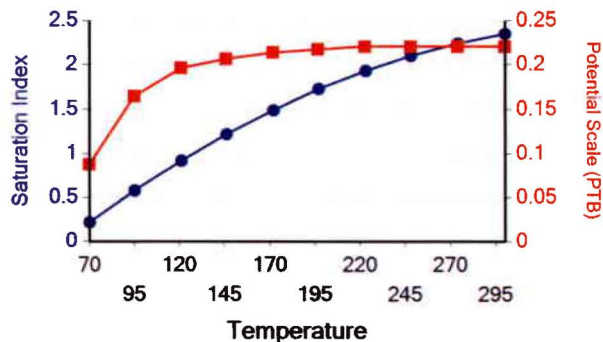
Zinc Sulfide



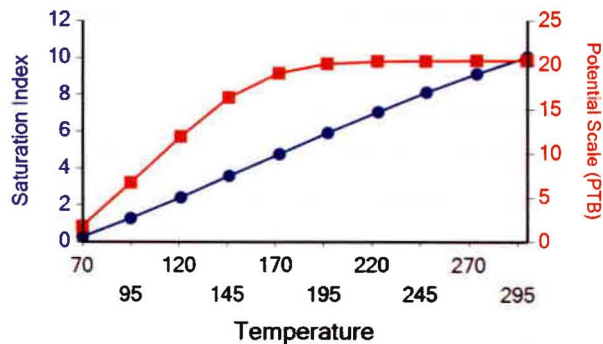
Ca Mg Silicate



Zinc Carbonate

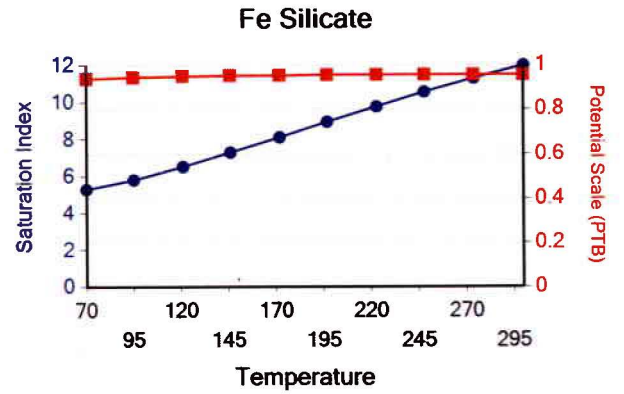


Mg Silicate





Water Analysis Report





# Attachment "G"

## Federal #14-13-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4921	4932	4927	2060	0.85	2028
4582	4595	4589	2000	0.87	1970
4154	4162	4158	2925	1.14	2898
3937	4005	3971	1590	0.84	1564
				Minimum	<u>1564</u>

### Calculation of Maximum Surface Injection Pressure

$$P_{max} = (Frac\ Grad - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$Frac\ Gradient = (ISIP + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



# NEWFIELD



## ATTACHMENT G-1

10/13

### DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: 10/4/05 Day: 1  
 Operation: Completion Rig: NC#2

#### WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD:

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sands	4921-32'	4/44			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/3/05 SITP: 0 SICP: 0

MIRU NC#2. NU BOPS. RU wireline truck. Run CBL log. Pressure test csg. To 1500 psi. Perf A1 sands @ 4921-32'. RD wireline truck. RIH w/ 5 1/2" HD pkr., PSN & 2 7/8" tbg. To 4850'.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: Starting oil rec to date:  
 Fluid lost /recovered today: Oil lost/recovered today:  
 Ending fluid to be recovered: Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

#### STIMULATION DETAIL

Base Fluid used: Job Type:  
 Company: Procedure or Equipment detail:

#### COSTS

NC#2  
 Weatherford  
 Perforators  
 Aztec "A" grade tbg.  
 NDSI water & trucks  
 Drilling cost  
 Location preparation  
 Admin. Overhead  
 Benco Anchors  
 NPC wellhead  
 NDSI Trucking  
 NPC supervision

Max TP: Max Rate: Total fluid pmpd:  
 Avg TP: Avg Rate: Total Prop pmpd:  
 ISIP: 5 min: 10 min: FG:

Completion supervisor:

DAILY COST: \$0

TOTAL WELL COST:





## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: 10/5/05 Day: 2  
 Operation: Completion Rig: NC#2

## WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4846' BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sands	4921-32'	4/44			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/4/05 SITP:  SICP: 0

Set 5 1/2" HD pkr. Elements @ 4842'. EOT @ 4846'. RU pump truck. Break down perfs @ 4921-32' @ 1260 psi Injection rate of 3.3 bpm @ 570 psi. Open bypass on pkr. Spot acid @ bottom of tbg. Shut bypass. Pump 1500 gallons 15% HCL acid into perfs. Flush tbg. w/ 32 bbls water. RD pump truck. RU swab. SFL @ surface. Made 7 runs. Recovered 51 bbls water. Next run dry. Wait 1 hour. F.L. @ 3850'. Recovered 6 bbls (5 oil, 1 water). Made 2 more hourly runs. F.L. @ 3850' on both runs. 6 bbls recovered each run (5 oil, 1 water).

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 71 Starting oil rec to date: 0  
 Fluid lost /recovered today: 54 Oil lost/recovered today: 15  
 Ending fluid to be recovered: 17 Cum oil recovered: 15  
 IFL: surface FFL: 3850' FTP:  Choke:  Final Fluid Rate:  Final oil cut: 80%

## STIMULATION DETAIL

Base Fluid used: 15% hcl acid Job Type: Acid  
 Company: BJ Services

## Procedure or Equipment detail:

Break down perfs w/ 4 bbls water.  
 pump 35 bbls 15% HCL acid on perfs.  
 flush tbg. w/ 32 bbls water.

## COSTS

NC#2  
 Weatherford  
 BJ services  
 NPC Trucking  
 Betts water

Max TP: 1720 Max Rate: 4 Total fluid pmpd: 72 bbls  
 Avg TP: 1700 Avg Rate: 3.5 Total Prop pmpd: 36 bbls  
 ISIP: 1310 5 min:  10 min:  FG:   
 Completion supervisor: Don Dulen

DAILY COST: \$0  
 TOTAL WELL COST: \$0



# NEWFIELD



ATTACHMENT G-1  
3 & 13

## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: 10/6/05 Day: 3  
Operation: Completion Rig: NC#2

### WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4848' BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sands	4921-32'	4/44			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/5/05 SITP: 275 SICP: 0

Bleed off tbg. RIH w/ swab. SFL @ 1000'. Made 5 runs. Recovered 45 bbls (40 oil, 5 water). Run #6 was dry. Made 1 hourly run. F.L. @ 4300'. Recovered 3 bbls oil, no water. RD swab. Release HD pkr. PU frac valve. Reset HC pkr. @ 4848'.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 17 Starting oil rec to date: 15  
Fluid lost /recovered today: 5 Oil lost/recovered today: 43  
Ending fluid to be recovered: 12 Cum oil recovered: 58  
IFL: 1000' FFL: 4300' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 80%

### STIMULATION DETAIL

### COSTS

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_ NC#2  
Company: \_\_\_\_\_ Weatherford

Procedure or Equipment detail:

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_  
Completion supervisor: Don Dulen

NPC supervision(2days)  
DAILY COST: \_\_\_\_\_ \$0  
TOTAL WELL COST: \_\_\_\_\_ \$0



# NEWFIELD



ATTACHMENT G-1  
4 of 13

## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: 10/7/05 Day: 4  
Operation: Completion Rig: NC#2

### WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4848' BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sands	4921-32'	4/44			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/6/05 SITP: 275 SICP: 0

RU BJ Services to frac valve. Frac A1 sands w/ 38,723# of 20/40 sand in 208 bbls lightning 17 frac fluid. Perfs broke back @ 3420 psi to 3095 psi. Treated @ avg. pressure of 3220 psi., avg. rate of 14.2 bbm, w/ 6.5 ppg of sands. ISIF @ 2060. EWTR 329 bbls. RD BJ. Flow well back @ approx. 1 bpm. Well flowed for 1 hour then died. Recovered 45 bbls water. Release HD pkr. circulate well clean. Reset pkr. RU swab. SFL @ surface. Made 7 runs. Recovered 63 bbls water. Swab cups got stuck on run #8. Release HD pkr. Circulate cups free. POOH w/ swab. Circulate well clean.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 341 Starting oil rec to date: 58  
Fluid lost /recovered today: 63 Oil lost/recovered today: 0  
Ending fluid to be recovered: 278 Cum oil recovered: 58  
IFL: surface FFL: 2100' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 0%

### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
Company: BJ Services

Procedure or Equipment detail:

3906 gallons of pad

2856 gallons w/ 1-4 ppg of 20/40 sand

5640 gallons w/ 4-6.5 ppg of 20/40 sand

240 gallons w/ 6.5 ppg of 20/40 sand

flush w/ 1176 gallons of slick water

### COSTS

NC#2	
Weatherford	
BJ services A sands	
Weatherford services	
NPC location cleanup	
RNI water disposal	
NPC labor/welding	
NPC surface equip.	
Unichem	
Monks pit reclaim	
Mnt. West sanitation	
NPC Supervision	
DAILY COST:	\$0
TOTAL WELL COST:	\$0

Max TP: 3495 Max Rate: 14.4 Total fluid pmpd: 329 bbl  
Avg TP: 3220 Avg Rate: 14.2 Total Prop pmpd: 38,723#  
ISIP: 2060 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .85  
Completion supervisor: Don Dulen





## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: 10/8/05 Day: 5  
 Operation: Completion Rig: NC#2

## WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4985' BP/Sand PBTD: 5468'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sands	4921-32'	4/44			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/7/05 SITP: 0 SICP: 0

RIH w/ swab. SFL @ surface. Made 11 runs. Recovered 105 bbls (100 water, 5 oil). Ending oil cut @ approx. 10% No show of gas. Small show of sand. EFL @ 2600'. RD swab. RIH w/ tbg. To 4970'. POOH w/ tbg. LD HD pkr. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 151 jts 2 7/8" tbg. RIH w/ sandline tag. Tag @ 5468'. ND BOPS. Set TAC @ 4884' w/ 14000# tension. NU wellhead. X-over for rods. RIH w/ CDI 2 1/2" x 1 1/2" x 12' x 16' RHAC pump, 6- 1 1/2" weight bars, 10- 3/4" guided rods, 80- 3/4" slick rods, 100- 3/4" guided rods, 1- 4' x 3/4" pony sub, 1 1/2" x 22' polished rod. Fill tbg. w/ 5 bbls water. Stroke test to 800 psi. RU pumping unit. Hang of rods. Adjust tag. RD. Put A1 sands on production @ 5:30 PM. 5 SPM, 86" stroke length.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 278 Starting oil rec to date: 58  
 Fluid lost /recovered today: 95 Oil lost/recovered today: 5  
 Ending fluid to be recovered: 183 Cum oil recovered: 63  
 IFL: surface FFL: 2600' FTP:  Choke:  Final Fluid Rate:  Final oil cut: 10%

## TUBING DETAIL

## ROD DETAIL

## COSTS

TUBING DETAIL		ROD DETAIL		COSTS	
KB	12.00'	1 1/2" X 22' polished rod	NC#2		
151	2 7/8 J-55 tbg (4871.82')	1- 4' X 3/4" pony sub	Weatherford		
	5 1/2" TAC (2.80' @ 4883.82')	100-3/4" scraped rods	CDI TAC		
1	2 7/8 J-55 tbg. (32.50')	80-3/4" plain rods	CDI PSN		
	SN (1.10' @ 4919.12' KB)	10-3/4" scraped rods	CDI PUMP		
2	2 7/8 J-55 tbg (64.17')	6-1 1/2" weight rods	NPC frac tk(2x7days)		
	2 7/8 NC (.45')	CDI 2 1/2" x 1 1/2" x 16'	NPC swab tk(5 days)		
EOT	4984.84' W/ 12' KB	RHAC pump W/ SM plunger	NPC frac head		
			Polished rod pkg.		
			"A" grade rod string		
			NPC frac valve		

Max TP:  Max Rate:  Total fluid pmpd:   
 Avg TP:  Avg Rate:  Total Prop pmpd:   
 ISIP:  5 min:  10 min:  FG:   
 Completion supervisor: Don Dulen

NPC Supervision  
 DAILY COST:  \$0  
 TOTAL WELL COST:  \$0





**TOTAL WELL COST:** \$0





## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16

Report Date: Oct. 20, 2005

Day: 7(a)

Operation: Completion

Rig: NC#2

## WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 5468'  
 BP: 4700'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2	4582- 4595'	4/52			
A1 sds	4921- 4932'	4/44			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Oct. 19, 2005

SITP: SICIP: 100

100 psi on well. RU pump lines. Circulate well. Lost 80 BW to well. POOH w/ tbg. RU BJ's "Ram Head" frac flange RU Lone Wolf WLT & lubricator. RIH w/ Weatherford 5 1/2" solid composite plug & 13' (3 1/8" slick) perf gun. Set plug @ 4700'. Perforate D2 sds @ 4582- 4595', 4 SPF for a total of 52 holes. RU BJ Services. Pressured up to 4200 psi Would not breakdown. RU Lone Wolf WL, Dump bail acid on D2 sds. 23 psi on well. Frac D2 sds w/ 75,389#'s of 20/40 sand in 595 bbls of Lightning 17 fluid. Broke @ 2980 psi. Treated w/ ave pressure of 1833 psi @ ave rate of 24.9 BPM. ISIP 2000 psi. Leave pressure on well. 818 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 675 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 675 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: D2 sds down casing

966 gals to load hole.

5800 gals of pad

3944 gals w/ 1-5 ppg of 20/40 sand

7872 gals w/ 5-8 ppg of 20/40 sand

1801 gals w/ 8 ppg of 20/40 sand

210 gals of 15% HCL acid.

Flush w/ 4376 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 1913 Max Rate: 25.5 BPM Total fluid pmpd: 595 bbls

Avg TP: 1833 Avg Rate: 24.9 BPM Total Prop pmpd: 75,389#'s

ISIP: 2000 5 min: 10 min: FG: .87

Completion Supervisor: Orson Barney

## COSTS

NC#2  
 Weatherford BOP's  
 BJ Services  
 Weatherford tools/serv  
 Lone Wolf WL  
 Betts wtr & trucking  
 NPC fuel gas  
 NPC Supervision  
 DAILY COST: \$0  
 TOTAL WELL COST: \$0





## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16

Report Date: Oct. 20, 2005

Day: 7(b)

Operation: Completion

Rig: NC#2

## WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 5468'  
 BP: 4260', 4700'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
PB8	4154- 4162'	4/32			
D2	4582- 4595'	4/52			
A1 sds	4921- 4932'	4/44			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Oct. 19, 2005

SITP: SICP:

RU Lone Wolf WLT & lubricator. RIH w/ Weatherford 5 1/2" flow through composite plug & 8' (3 1/8" slick) perf gun Set plug @ 4260'. Perforate PB8 sds @ 4154- 4162', 4 SPF for a total of 32 holes. RU BJ Services. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL, dump bail acid on PB8 sds (Made 2 runs, 1st run glass did not break all the way). RU BJ Services. 1587 psi on well. Frac PB8 sds w/ 29,831#'s of 20/40 sand in 340 bbls of Lightning 17 fluid. Broke @ 3184 psi. Treated w/ ave pressure of 2398 psi @ ave rate of 14.3 BPM. ISIP 2925 psi Leave pressure on well. 1158 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 675 Starting oil rec to date:  
 Fluid lost/recovered today: 340 Oil lost/recovered today:  
 Ending fluid to be recovered: 1015 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: PB8 sds down casing

378 gals to get breakdown.

3000 gals of pad

2319 gals w/ 1- 4 ppg of 20/40 sand

4479 gals w/ 4- 6.5 ppg of 20/40 sand

210 gals of 15% HCL acid.

Flush w/ 3898 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2429 Max Rate: 14.5 BPM Total fluid pmpd: 340 bbls

Avg TP: 2398 Avg Rate: 14.3 BPM Total Prop pmpd: 29,831#'s

ISIP: 2925 5 min: 10 min: FG: 1.14

Completion Supervisor: Orson Barney

## COSTS

NC#2  
 Weatherford BOP's  
 BJ Services  
 Weatherford tools/serv  
 Lone Wolf WL  
 Betts wtr & trucking  
 NPC fuel gas  
 NPC Supervision  
 DAILY COST: \$0  
 TOTAL WELL COST: \$0





## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16

Report Date: Oct. 20, 2005

Day: 7(c)

Operation: Completion

Rig: NC#2

## WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 5468'  
 BP: 4100', 4260', 4700'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4	3937- 3950'	4/52			
GB4	3997- 4005'	4/32			
PB8	4154- 4162'	4/32			
D2	4582- 4595'	4/52			
A1 sds	4921- 4932'	4/44			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Oct. 19, 2005

SITP: SICP:

RU Lone Wolf WLT & lubricator. RIH w/ Weatherford 5 1/2" flow through composite plug, 8' & 13' (3 1/8" slick) per gun. Set plug @ 4100'. Perforate GB4 sds @ 3997- 4005', 3937- 3950' (2 runs). All 4 SPF for a total of 84 holes. RL BJ Services. 1500 psi on well. Frac GB4 sds w/ 60,097#'s of 20/40 sand in 447 bbls of Lightning 17 fluid. Broke @ 4102 psi. Treated w/ ave pressure of 1420 psi @ ave rate of 14.4 BPM. ISIP 1590 psi. Begin immediate flowback or 12/64 choke @ 1 BPM. Flowed for 4 1/2 hrs & died. Rec. 261 BTF. 1201 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1015 Starting oil rec to date:  
 Fluid lost/recovered today: 186 Oil lost/recovered today:  
 Ending fluid to be recovered: 1201 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

NC#2

Company: BJ Services

Weatherford BOP's

Procedure or Equipment detail: GB4 sds down casing

BJ Services

gals to get crosslink.

Weatherford tools/serv

4600 gals of pad

Lone Wolf WL

3000 gals w/ 1- 5 ppg of 20/40 sand

Betts wtr &amp; trucking

6000 gals w/ 5- 8 ppg of 20/40 sand

NPC fuel gas

1323 gals w/ 8 ppg of 20/40 sand

NPC Supervision

Flush w/ 3864 gals of slick water

Betts wtr transfer

NPC flowback hand

Max TP: 1484 Max Rate: 14.6 BPM Total fluid pmpd: 447 bbls

Avg TP: 1420 Avg Rate: 14.5 BPM Total Prop pmpd: 60,097#'s

ISIP: 1590 5 min: 10 min: FG: .83

Completion Supervisor: Orson Barney/ Don Dulen

DAILY COST: \$0

TOTAL WELL COST: \$0



# NEWFIELD



ATTACHMENT G-1  
10 of 13

## DAILY COMPLETION REPORT

WELL NAME: Federal 14-13-9-16 Report Date: Oct. 21, 2005 Day: 8  
Operation: Completion Rig: NC#2

### WELL STATUS

Surf Csg: 8-5/8' @ 313' Prod Csg: 5-1/2" @ 5667' Csg PBTD: 5568'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4950' BP/Sand PBTD: 5468'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4	3937- 3950'	4/52			
GB4	3997- 4005'	4/32			
PB8	4154- 4162'	4/32			
D2	4582- 4595'	4/52			
A1 sds	4921- 4932'	4/44			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: Oct. 20, 2005 SITP:  SICP: 100

Bleed off well. ND Cameron BOPS & 5m frac head. NU 3m production head & BOPS. RIH w/ 4 3/4" chomp bit, bi sub & 2 7/8" tbg. Tag CBP @ 4100'. RU powerswivel & pump. DU CBP in 25 min. Cont. RIH w/ tbg. Tag @ 4150' C/O to CBP @ 4260'. DU CBP in 50 min. Cont. RIH w/ tbg. Tag @ 4600'. C/O to CBP @ 4700'. DU CBP in 40 min RIH w/ tbg. to 4950'. Circulate well clean.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1201 Starting oil rec to date:   
Fluid lost/recovered today: 50 Oil lost/recovered today:   
Ending fluid to be recovered: 1251 Cum oil recovered:   
IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

### STIMULATION DETAIL

Base Fluid used:  Job Type:   
Company:   
Procedure or Equipment detail:

### COSTS

NC#2  
Weatherford BOP's

Max TP:  Max Rate:  Total fluid pmpd:   
Avg TP:  Avg Rate:  Total Prop pmpd:   
ISIP:  5 min:  10 min:  FG:

Completion Supervisor: Don Dulen

DAILY COST:  \$0  
TOTAL WELL COST:  \$0



**WELL NAME:** Federal 14-13-9-16 **Report Date:** Oct. 22, 2005 **Day:** 9  
**Operation:** Completion **Rig:** NC#2

Surf Csg:	8-5/8'	@	313'	Prod Csg:	5-1/2"	@	5667'	Csg PBTD:	5568'	
Tbg:	Size:	2 7/8"	Wt:	6.5#	Grd:	J-55	Pkr/EOT @:	4950'	BP/Sand PBTD:	5450'

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
GB4	3937- 3950'	4/52			
GB4	3997- 4005'	4/32			
PB8	4154- 4162'	4/32			
D2	4582- 4595'	4/52			
A1 sds	4921- 4932'	4/44			

**Date Work Performed:**      **Oct. 21, 2005**      **SITP: 0**      **SICP: 0**

RIH w/ swab. SFL @ surface. Made 17 runs. Recovered 160 bbls (155 water, 5 oil). Good show of gas. Small show of sand. Ending oil cut @ approx. 30%. EFL @ 1500'. RD swab. POOH w/ tbgs. LD bit & bit sub. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbgs., PSN, 1 jt 2 7/8" tbgs., 5 1/2" TAC, 151 jts 2 7/8" tbgs. ND BOPS. Set TAC @ 4883' w/ 14000# tension. NU wellhead. X-over for rods. RIH w/ CDI 2 1/2" x 1 1/2" x 12' x 16' RHAC pump, 6-1 1/2" weight bars, 10- 3/4" guided rods, 80- 3/4" slick rods, 100- 3/4" guided rods, 1- 3/4" x 4' pony sub, 1 1/2" x 22 polished rod. Seat pump. Fill tbgs. w/ 5 bbls water. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Put well on production @ 5:00 p.m. 5 spm, 86" stroke length.

<b>Starting fluid load to be recovered:</b>	<b>1201</b>	<b>Starting oil rec to date:</b>	
<b>Fluid <u>lost</u> /recovered_today:</b>	<b>50</b>	<b>Oil <u>lost</u>/recovered today:</b>	
<b>Ending fluid to be recovered:</b>	<b>1251</b>	<b>Cum oil recovered:</b>	
<b>IFL:</b>	<b>FFL:</b>	<b>FTP:</b>	<b>Choke:</b>
			<b>Final Fluid Rate:</b>
			<b>Final oil cut:</b>

KB	12.00'	1 1/2" X 22' polished rod	Weatherford BOP's
151	2 7/8 J-55 tbg (4870.74')	1- 4' X 3/4" pony sub	NPC Frac tk(4x4days)
	5 1/2" TAC (2.80' @ 4882.74')	100-3/4" scraped rods	NPC Frac head
1	2 7/8 J-55 tbg. (32.50')	80-3/4" plain rods	NPC swab tk(4 days)
	SN (1.10' @ 4918.04' KB)	10-3/4" scraped rods	CDI TAC
2	2 7/8 J-55 tbg (64.17')	6-1 1/2" weight rods	CDI rod pump
	2 7/8 NC (.45')	CDI 2 1/2" x 1 1/2" x 16'	
EOT	4983.76' W/ 12' KB	RHAC pump W/ SM plunger	

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_

**Completion Supervisor: Don Dulen**

**DAILY COST:** \$0

**TOTAL WELL COST:** \$0



## Daily Activity Report

Format For Sundry

FEDERAL 14-13-9-16

9/1/2010 To 1/30/2011

11/6/2010 Day: 1

Recompletion

Nabors #814 on 11/6/2010 - POOH w/ rods. NU BOP. POOH w/ tbg. RIH w/ bit, scraper & 60 jts 2 7/8" tbg. - MIRU Nabors #814. RU hotoiler to csg. Pump 60 bbls 250° water down csg. Attempt to unseat pump. Pump 60 bbls 250° water down csg. Unseat pump. Flush rods w/ 30 bbls 250° water. Soft seat pump. Fill tbg. w/ 10 bbls water. Pressure test tbg. to 3000 psi. POOH w/ rod string. LD pump. ND wellhead. Release TAC. NU BOP. POOH w/ tbg. tallying. RIH w/ 4 3/4" rock bit, scraper & 60 jts. 2 7/8" tbg. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$11,238

11/9/2010 Day: 2

Recompletion

Nabors #814 on 11/9/2010 - RIH w/ tbg. Tag fill @ 5376'. C/O to 5605'. Circulate well clean. POOH w/ tbg. to 4985'. SWIFN. - Cont. RIH w/ tbg. Tag fill @ 5376'. RU powerswivel. C/O to 5605'. Circulate well clean. RD powerswivel. RU VES. Run Gyro. RD VES. POOH w/ tbg. to 4985'. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$17,224

11/10/2010 Day: 3

Recompletion

Nabors #814 on 11/10/2010 - POOH w/ tbg. Perfs well. RIH w/ tools. Break down new perfs. SWIFN. - Cont. POOH w/ tbg. LD bit & scraper. RU The Perforators wireline. Perf well as shown in perforation report. RD wireline. RIH w/ TS plug & HD pkr. & frac string. Break down new perfs. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$28,582

11/11/2010 Day: 4

Recompletion

Nabors #814 on 11/11/2010 - Frac 2 stages. Swab well. - RU BJ Services. Frac 2 stages as shown in stimulation report. RD BJ Services. Swab both stages. SFL @ surface. Made 14 runs. Recovered 120 bbls. No show of oil. No show of sand. RD swab. Release tools. Start laying down N-80 frac string. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$66,738

11/12/2010 Day: 5

Recompletion

Nabors #814 on 11/12/2010 - LD workstring. RIH w/ tbg. ND BOP. RIH w/ rods. Seat pump. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 5:00 p.m. 5 spm, 86" stroke length. Final Report. 606 BWTR. - - Cont. LD frac string. LD tools. RIH w/ 2 7/8" bullplug, 3 jts 2 7/8" tbg., 2 7/8" nipple, PBGA, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 167 jts 2 7/8" tbg. ND BOP. Set TAC w/ 18,000# tension. NU wellhead. Flush tbg. w/ 60 bbls water. X-over for rods. RIH w/ CDI 2 1/2" x 1 3/4" x 20' RHAC rod pump, 6- 1 1/2"



weight bars, 10- 3/4" guided rods, 80- 3/4" slick rods, 113- 3/4" guided rods, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 5:00 p.m. 5 spm, 86" stroke length. Final Report. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$86,138

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**Pertinent Files:** [Go to File List](#)



## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3887'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 172' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 363'
6. Plug #4 Circulate 103 sx Class "G" cement down 5 ½" and up the 5 ½" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.



## Federal 14-13-9-16

Spud Date: 8-16-05  
Put on Production: 10-21-05  
GL: 5581' KB: 5592'

Initial Production: BOPD,  
MCFD, BWPD

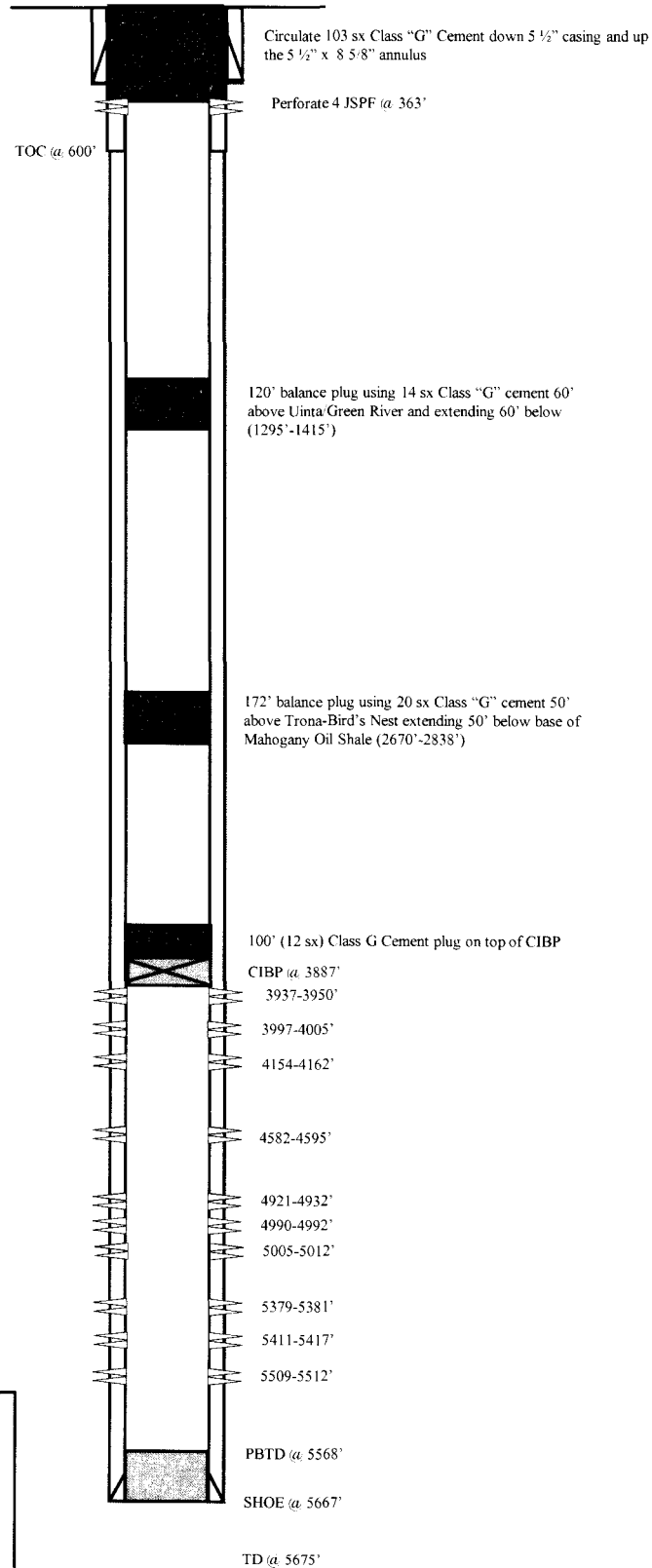
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.26')  
DEPTH LANDED: 313.11' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 127 jts. (5656.84')  
DEPTH LANDED: 5667.49' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50:50 POZ.  
CEMENT TOP AT: 600'



**NEWFIELD**

**Federal 14-13-9-16**

819' FSL & 1940' FWL

SE/SW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32649; Lease #UTU-64805



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912  
Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32951  
Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32907  
Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32913  
Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33053  
South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32044  
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659  
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655  
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649  
State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022  
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33032  
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108  
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-31647  
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662



The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill  
Permitting Manager



**Newfield Production Company**

**ASHLEY FEDERAL 14-25-9-15, ASHLEY FEDERAL 16-25-9-15,  
ASHLEY FEDERAL 14-26-9-15, ASHLEY FEDERAL 16-26-9-15,  
FEDERAL 14-9-9-16, SOUTH WELLS DRAW 16-9-9-16,  
FEDERAL 2-13-9-16, FEDERAL 8-13-9-16, FEDERAL 14-13-9-16,  
STATE 16-1-O, FEDERAL 9-17-9-16, FEDERAL 10-20-9-16,  
MONUMENT FEDERAL 11-22-9-16Y, FEDERAL 7-23.**

**Cause No. UIC-418**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 20, 2014

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



2/24/2014

State of Utah Mail - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-418

Jean Sweet <jsweet@utah.gov>

---

## Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-418

---

UB Standard Legals <ubslegals@ubmedia.biz>

Thu, Feb 20, 2014 at 3:52 PM

To: Jean Sweet <jsweet@utah.gov>

On 2/20/2014 9:52 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

—  
Jean Sweet  
Executive Secretary  
Utah Division of Oil, Gas and Mining  
801-538-5329

Received. It will be published Feb. 25.

Thank you.

Cindy





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 20, 2014

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





## Order Confirmation for Ad #0000941195-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>E-Mail</b>	juliecarter@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$327.56</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$327.56</b>	0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Cause UIC-4	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 96 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	2/22/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	2/22/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	2/22/2014	

### Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Astley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912  
Astley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32951  
Astley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32907  
Astley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32913  
Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33053  
South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32044  
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659  
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655  
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649  
Store 16-1-0 well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022  
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33032  
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108  
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-31647  
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Greer River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

941195

UPAXIP



4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663  
801-204-6910

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PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS		ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Noltan 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114		900	
ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE		
8015385340	0000941195 /		
SCHEDULE			
Start 02/22/2014	End 02/22/2014		
CUST. REF. NO.			
Newfield Cause UIC-418			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU			
SIZE			
96 Lines	2.00 COLUMN		
TIMES	RATE		
3			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
327.56			

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT  
**BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STA**  
**CAUSE NO. UIC-418 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUB  
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS  
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, S  
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLIC  
UTAHLEGALS.COM INDEFINATELY, COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 02/22/2014 End 02/22/2014

SIGNATURE

DATE 2/25/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

2250/REB/GGUICADMIN/GF13/6131

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-418

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Greater Monument Butte Units:

- Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912
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API 43-013-32951
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API 43-013-32044
- Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659
- Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655
- Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649
- State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022
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API 43-013-33108
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API 43-013-31647
- Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662

The proceeding will be conducted in accordance with Utah Admin. Rule 49-10, Administrative Procedures.

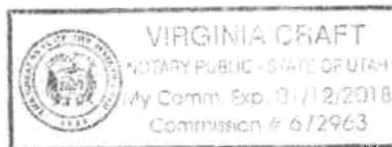
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Dated this 18th day of February, 2014.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager

941195

UPAXLP



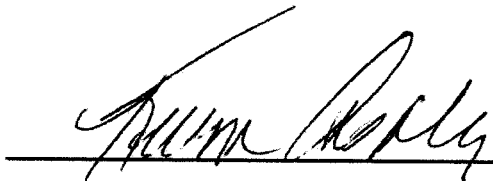
Virginia Craft  
NOTARY SIGNATURE



# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

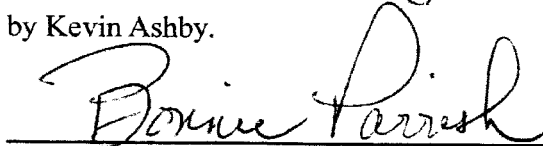
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 25 day of February, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 25 day of February, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

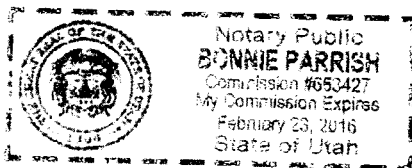
  
Publisher

Subscribed and sworn to before me on this

26 day of February, 20 14

by Kevin Ashby.

  
Notary Public



## BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPART- MENT OF NATURAL RESOURCES, STATE OF UTAH, NOTICE OF AGENCY ACTION, CAUSE NO. UIC-418

IN THE MATTER  
OF THE APPLICA-  
TION OF NEW-  
FIELD PRODUC-  
TION COMPANY  
FOR ADMINISTRA-  
TIVE APPROVAL  
OF CERTAIN  
WELLS LOCATED  
IN SECTIONS 25  
and 26, TOWNSHIP  
9 SOUTH, RANGE  
15 EAST, and  
SECTIONS 9, 13,  
16, 17, 20, 22, and  
23, TOWNSHIP 9  
SOUTH, RANGE 16  
EAST, DUCHESNE  
COUNTY, UTAH,  
AS CLASS II INJEC-  
TION WELLS.

THE STATE OF  
UTAH TO ALL PER-  
SONS INTERESTED  
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to consider the ap-  
plication of Newfield  
Production Company,  
1001 17th Street,  
Suite 2000, Denver,  
Colorado 80202, tele-

25-9-15 well located  
in SE/4 SE/4, Section  
25, Township 9  
South, Range 15 East  
API 43-013-32951  
Ashley Federal 14-  
26-9-15 well located  
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South, Range 15 East  
API 43-013-32907  
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Monument Federal  
11-22-9-16Y well lo-  
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Section 22, Township



City, UT 84114-5801,  
phone number (801)  
538-5340. If such  
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aforementioned ad-  
ministrative procedur-  
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interests.

Dated this 18th day  
of February, 2014.

STATE OF UTAH  
DIVISION OF  
OIL, GAS & MIN-  
ING

/s/

Brad Hill  
Permitting Man-  
ager

Published in the  
Utah Basin Stan-  
dard February 25, 2014.

Formation will be  
used for water injec-  
tion. The maximum  
requested injection  
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will be determined  
based on fracture  
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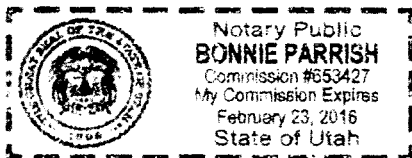
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fifteen days following  
publication of this  
notice. The Division's  
Presiding Officer  
for the proceeding is  
Brad Hill, Permitting  
Manager, at P.O. Box  
145801, Salt Lake



26 day of February 20 14

by Kevin Ashby.

Bonnie Parrish  
Notary Public



IN SECTIONS 25  
and 26, TOWNSHIP  
9 SOUTH, RANGE  
15 EAST, and  
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16, 17, 20, 22, and  
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Township 9 South,  
Range 16 East  
API 43-013-30662  
The proceeding  
will be conducted in  
accordance with Utah  
Admin. R649-10,  
Administrative Proce-  
dures.  
Selected zones  
in the Green River



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company

**Well:** Federal 14-13-9-16

**Location:** 13/9S/16E

**API:** 43-013-32649

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 313 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,667 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,664 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,887 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 11 producing wells, 5 injection wells and 1 P/A well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. There is 1 approved surface location inside the AOR from which a directional well will be drilled to a bottom hole location outside the AOR. Finally, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1700 feet. Injection shall be limited to the interval between 3,792 feet and 5,568 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 14-13-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,564 psig. The requested maximum pressure is 1,564 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.



**Federal 14-13-9-16**

page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 4/10/2014





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 16, 2014

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 14-13-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32649

Newfield Production Company:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,792 feet in the Federal 14-13-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC











GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-418

**Operator:** Newfield Production Company  
**Well:** Federal 14-13-9-16  
**Location:** Section 13, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32649  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on April 16, 2014.
2. Maximum Allowable Injection Pressure: 1,564 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,792' – 5,568').
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: \_\_\_\_\_

John Rogers  
Associate Director

06-04-14  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Jill Loyle, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

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